

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

Report for previous day

Date of Reporting 16-Jan-20

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)	46632	43835	33512	17939	2275	144193
Peak Shortage (MW)	571	0	0	0	18	589
Energy Met (MU)	950	1069	893	351	39	3301
Hydro Gen (MU)	126	42	62	32	7	269
Wind Gen (MU)	20	37	37	-----	-----	94
Solar Gen (MU)*	31.28	20.40	97.28	1.37	0.04	150
Energy Shortage (MU)	10.4	0.0	0.0	0.0	1.5	11.9
Maximum Demand Met during the day (MW) & time (from NLDC SCADA)	48620 09:52	52932 10:31	43453 09:22	18207 18:59	2326 18:19	162171 09:39

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	0.028	0.00	0.00	2.04	2.04	76.16	21.81

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	5815	0	111.4	54.7	-1.2	69	0.0
	Haryana	6653	0	127.7	88.8	0.7	211	0.0
	Rajasthan	13389	0	233.3	72.3	-0.7	405	0.0
	Delhi	4500	0	75.4	58.5	0.1	284	0.0
	UP	14865	0	284.0	111.0	-1.4	913	0.0
	Uttarakhand	2183	0	39.1	21.0	0.0	202	0.0
	HP	1683	0	30.7	22.9	1.5	276	0.0
	J&K(UT) and Ladakh(UT)	2284	571	43.8	39.8	-1.4	233	10.4
	Chandigarh	280	0	4.6	4.4	0.2	48	0.0
WR	Chhattisgarh	3698	0	77.8	25.2	-1.2	411	0.0
	Gujarat	13276	0	273.3	81.2	3.4	548	0.0
	MP	13833	0	236.9	131.3	-4.1	390	0.0
	Maharashtra	22351	0	441.2	155.6	-2.1	413	0.0
	Goa	482	0	10.1	10.0	-0.4	45	0.0
	DD	314	0	6.8	6.5	0.3	44	0.0
	DNH	768	0	17.9	18.0	-0.1	41	0.0
	Essar steel	269	0	5.0	5.6	-0.6	173	0.0
	SR	Andhra Pradesh	8230	0	156.0	59.7	-1.1	324
Telangana		10281	0	201.5	98.0	-0.4	355	0.0
Karnataka		12700	0	220.5	55.8	-1.8	465	0.0
Kerala		3518	0	70.2	56.5	1.5	207	0.0
Tamil Nadu		11861	0	238.5	131.3	-1.2	577	0.0
Pondy		291	0	5.7	6.2	-0.5	29	0.0
ER	Bihar	4470	0	80.7	79.2	-0.1	0	0.0
	DVC	3188	0	64.5	-34.0	0.2	300	0.0
	Jharkhand	1372	0	24.9	15.9	-0.4	110	0.0
	Odisha	3836	0	67.8	5.3	0.7	200	0.0
	West Bengal	6286	0	111.2	20.6	-0.4	210	0.0
	Sikkim	128	0	1.9	1.7	0.2	15	0.0
NER	Arunachal Pradesh	113	1	2.2	2.0	0.2	47	0.0
	Assam	1212	10	20.5	17.8	-0.1	131	0.4
	Manipur	218	2	2.7	3.2	-0.5	33	0.0
	Meghalaya	363	0	5.9	3.3	0.6	93	1.1
	Mizoram	101	1	1.3	1.7	-0.3	20	0.0
	Nagaland	126	1	2.1	2.2	-0.2	9	0.0
Tripura	211	1	3.8	2.5	-0.2	67	0.0	

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

	Bhutan	Nepal	Bangladesh
Actual(MU)	4.0	-8.6	-9.9
Day peak (MW)	573.8	-464.6	-754.0

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

	NR	WR	SR	ER	NER	TOTAL
Schedule(MU)	219.7	-231.7	96.1	-87.8	4.0	0.3
Actual(MU)	203.0	-234.4	97.9	-72.8	3.5	-2.7
O/D/U/D(MU)	-16.7	-2.6	1.8	15.0	-0.4	-3.0

F. Generation Outage(MW)

	NR	WR	SR	ER	NER	Total
Central Sector	5058	15968	7552	2620	588	31786
State Sector	11330	18192	9193	4850	11	43576
Total	16388	34160	16745	7470	600	75362

G. Sourcewise generation (MU)

	NR	WR	SR	ER	NER	All India
Coal	479	1147	453	421	10	2510
Lignite	19	12	46	0	0	77
Hydro	126	42	62	32	7	269
Nuclear	29	23	55	0	0	108
Gas, Naptha & Diesel	32	21	18	0	23	94
RES (Wind, Solar, Biomass & Others)	80	67	179	1	0	328
Total	766	1312	812	455	40	3386

Share of RES in total generation (%)	10.46	5.14	22.03	0.31	0.10	9.68
Share of Non-fossil fuel (Hydro, Nuclear and RES) in total generation (%)	30.75	10.12	36.42	7.42	17.15	20.82

H. All India Demand Diversity Factor

Based on Regional Max Demands	1.021
Based on State Max Demands	1.080

Diversity factor = Sum of regional or state-wise 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 :	16-Jan-20
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)	
Import/Export of ER (With NR)									
4	HVDC	ALIPURDUAR-AGRA	-	0	0	0.0	0.0	0.0	
5		PUSAULI B/B	S/C	0	299	0.0	7.5	-7.5	
1	765kV	GAYA-VARANASI	D/C	0	787	0.0	9.3	-9.3	
2		SASARAM-FATEHPUR	S/C	71	363	0.0	3.3	-3.3	
3		GAYA-BALIA	S/C	0	419	0.0	6.9	-6.9	
6	400 kV	PUSAULI-VARANASI	S/C	0	235	0.0	4.8	-4.8	
7		PUSAULI -ALLAHABAD	S/C	0	152	0.0	2.5	-2.5	
8		MUZAFFARPUR-GORAKHPUR	D/C	0	780	0.0	9.0	-9.0	
9		PATNA-BALIA	Q/C	0	709	0.0	12.3	-12.3	
10		BIHARSHARIFF-BALIA	D/C	0	451	0.0	5.9	-5.9	
11		MOTIHARI-GORAKHPUR	D/C	0	5	0.0	0.0	0.0	
12		BIHARSHARIFF-VARANASI	D/C	134	291	0.0	1.6	-1.6	
13	220 kV	PUSAULI-SAHUPURI	S/C	0	140	0.0	2.5	-2.5	
14	132 kV	SONE NAGAR-RIHAND	S/C	0	0	0.0	0.0	0.0	
15		GARWAH-RIHAND	S/C	30	0	0.7	0.0	0.7	
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	0.7	58.1	-57.5
Import/Export of ER (With WR)									
18	765 kV	JHARSUGUDA-DHARAMJAIGARH	Q/C	5602	0	15.9	0.0	15.9	
19		NEW RANCHI-DHARAMJAIGARH	D/C	726	0	7.8	0.0	7.8	
20		JHARSUGUDA-DURG	D/C	999967	207	0.6	0.0	0.6	
21	400 kV	JHARSUGUDA-RAIGARH	Q/C	206	235	0.8	0.0	0.8	
22		RANCHI-SIPAT	D/C	262	4	3.2	0.0	3.2	
23	220 kV	BUDHIPADAR-RAIGARH	S/C	0	97	0.0	1.3	-1.3	
24		BUDHIPADAR-KORBA	D/C	179	0	3.0	0.0	3.0	
						ER-WR	31.2	1.3	30.0
Import/Export of ER (With SR)									
26	HVDC	JEYPORE-GAZUWAKA B/B	D/C	0.0	694.0	0.0	16.2	-16.2	
27		TALCHER-KOLAR BIPOLE	D/C	0.0	1986.0	0.0	41.8	-41.8	
25	765 kV	ANGUL-SRIKAKULAM	D/C	0.0	1896.0	0.0	34.3	-34.3	
28	400 kV	TALCHER-I/C	D/C	916.0	978.0	0.0	2.3	-2.3	
29	220 kV	BALIMELA-UPPER-SILERRU	S/C	1.0	0.0	0.0	0.0	0.0	
						ER-SR	0.0	92.3	-92.3
Import/Export of ER (With NER)									
30	400 kV	BINAGURI-BONGAIGAON	D/C	226	98	2.9	0.0	3	
31		ALIPURDUAR-BONGAIGAON	D/C	274	68	3.5	0.0	3	
32	220 kV	ALIPURDUAR-SALAKATI	D/C	55	29	0.6	0.0	1	
						ER-NER	6.9	0.0	6.9
Import/Export of NER (With NR)									
33	HVDC	BISWANATH CHARIALI-AGRA	-	471	0	11.3	0.0	11.3	
						NER-NR	11.3	0.0	11.3
Import/Export of WR (With NR)									
34	HVDC	CHAMPA-KURUKSHETRA	D/C	0	2004	0.0	30.7	-30.7	
35		V'CHAL B/B	D/C	449	0	7.5	0.0	7.5	
36	765 kV	APL -MHG	D/C	0	1459	0.0	32.0	-32.0	
37		GWALIOR-AGRA	D/C	0	2540	0.0	46.0	-46.0	
38		PHAGI-GWALIOR	D/C	0	1675	0.0	22.5	-22.5	
39		JABALPUR-ORAI	D/C	0	865	0.0	31.6	-31.6	
40		GWALIOR-ORAI	S/C	717	0	11.0	0.0	11.0	
41		SATNA-ORAI	S/C	0	1403	0.0	29.2	-29.2	
42		CHITTORGARH-BANASKANTHA	D/C	253	1031	0.0	7.1	-7.1	
43	400 kV	ZERDA-KANKROLI	S/C	136	163	0.4	0.0	0.4	
44		ZERDA -BHINMAL	S/C	122	334	0.0	1.0	-1.0	
45		V'CHAL -RIHAND	S/C	976	0	21.4	0.0	21.4	
46		RAPP-SHUJALPUR	D/C	197	302	0	0	0	
47	220 kV	BHANPURA-RANPUR	S/C	17	84	0.5	0.2	0.3	
48		BHANPURA-MORAK	S/C	23	87	0.1	0.7	-0.6	
49		MEHGAON-AURAIYA	S/C	123	3	1.4	0.0	1.4	
50	132kV	MALANPUR-AURAIYA	S/C	63	24	0.5	0.1	0.5	
51		GWALIOR-SAWAI MADHOPUR	S/C	0	0	0.0	0.0	0.0	
						WR-NR	42.8	201.3	-158.6
Import/Export of WR (With SR)									
52	HVDC	BHADRAWATI B/B	-	0	518	0.0	12.2	-12.2	
53		BARSUR-L.SILERU	-	0	0	0.0	0.0	0.0	
54	765 kV	SOLAPUR-RAICHUR	D/C	765	1693	0.0	15.3	-15.3	
55		WARDHA-NIZAMABAD	D/C	0	1972	0.0	31.3	-31.3	
56	400 kV	KOLHAPUR-KUDGI	D/C	1079	0	12.4	0.0	12.4	
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	88	1.6	0.0	1.6	
						WR-SR	14.1	58.7	-44.7
TRANSNATIONAL EXCHANGE									
60		BHUTAN						4.0	
61		NEPAL						-8.6	
62		BANGLADESH						-9.9	

All India Energy Balance for ISTS for 15-Jan-2020			
	Schedule	Actual	Deviation
Northern Region			
Injection	264.1	269.1	5.0
Drawal	475.1	471.2	-3.9
Transnational	0.0	1.2	1.2
Western Region			
Injection	652.3	652.7	0.4
Drawal	426.7	428.6	1.9
Southern Region			
Injection	300.2	312.7	12.5
Drawal	403.6	404.0	0.3
Eastern Region			
Injection	185.1	182.9	-2.2
Drawal	86.3	89.0	2.7
Transnational	-13.8	-14.1	-0.3
North Eastern Region			
Injection	29.8	31.2	1.4
Drawal	32.4	31.9	-0.5
All India			
Injection, "A"	1431.4	1448.4	17.0
Drawal, "B"	1424.2	1424.7	0.5
Transnational, "C"	-13.8	-12.9	0.9
Regional Losses (MU)			
NR	8.7	-1.3	
WR	-6.1	-10.3	
SR	-7.4	6.6	
ER	-2.8	7.0	
NER	1.3	2.8	
All India Loss			
Loss(MU), "D" = A-B+C	-6.6	10.8	
Loss(%), "E" = D/A	-0.46	0.75	
* All figures in MU unless specified otherwise			
Note: Injection is the sum of injection by each regional entity power stations.			
Drawal is the sum of drawal by each regional entity drawal utility.			

Northern Region Energy Balance for ISTS for 15-Jan-2020

Sl. No.		Schedule	Actual	Deviation	
A	States				
1	Punjab	54.7	53.4	-1.2	
2	Haryana	88.8	89.5	0.7	
3	Rajasthan	72.3	71.6	-0.7	
4	Delhi	58.5	58.7	0.1	
5	UP	111.0	109.6	-1.4	
6	Uttarakhand	21.0	21.0	0.0	
7	HP	22.9	24.4	1.5	
8	J & K	39.8	38.4	-1.4	
9	Chandigarh	4.4	4.6	0.2	
	Total Drawal	473.5	471.2	-2.3	
B	Regional Entities Generation				
1	Karcham Wangtoo HPS	1000 MW	3.6	3.6	0.0
2	Nathpa-Jhakri HPS	1500 MW	6.8	6.9	0.0
3	Unchahar III TPS	210 MW	2.6	3.2	0.6
4	Unchahar IV TPS	500 MW	6.9	7.3	0.4
5	Chamera II HPS	300 MW	1.6	1.6	0.0
6	Chamera III HPS	231 MW	0.9	1.0	0.1
7	Uri-II HPS	240 MW	3.0	3.4	0.4
8	Bairasiul HPS	180 MW	1.8	1.8	0.0
9	Tanakpur HPS	94 MW	0.9	0.9	0.0
10	Shree Cement (IPP) TPS	300 MW	5.3	5.2	-0.1
11	Budhil HPS (IPP)	70 MW	0.2	0.2	0.0
12	ADHPL(IPP) HPS	192 MW	0.4	0.4	0.0
13	Sainj HEP	100 MW	0.4	0.4	0.0
14	Malana2	100 MW	0.0	0.2	0.2
15	Parbati III HEP	520 MW	0.5	0.6	0.0
16	Koldam HPS	800 MW	3.0	3.1	0.1
17	ISTPP (Jhajjar)	1500 MW	6.4	6.4	-0.1
18	Koteshwar HPS	400 MW	3.5	3.5	0.0
19	Dadri Solar	5 MW	0.0	0.0	0.0
20	Unchahar Solar	10 MW	0.0	0.0	0.0
21	Singrauli Solar	15 MW	0.1	0.1	0.0
22	Kishanganga	330 MW	0.0	0.0	0.0
23	Rampur HEP	412 MW	1.9	2.0	0.1
24	TEHRI HPS	1000 MW	9.4	9.4	0.0
25	Bhakra HPS	1379 MW	11.9	12.0	0.1
26	Dehar HPS	990 MW	5.1	5.2	0.1
27	Pong HPS	396 MW	4.5	4.6	0.1
28	Singrauli STPS	2000 MW	42.1	42.5	0.4
29	Rihand-I STPS	1000 MW	14.8	15.0	0.3
30	Rihand-II STPS	1000 MW	21.0	21.4	0.4
31	Rihand-III STPS	1000 MW	21.1	21.7	0.5
32	Dadri-I TPS	840 MW	1.0	0.7	-0.3
33	Dadri-II TPS	980 MW	12.1	12.8	0.7
34	Unchahar TPS	420 MW	5.2	5.8	0.6
35	Anta GPS	419 MW	0.0	0.0	0.0
36	Auraiya GPS	663 MW	4.8	4.7	-0.1
37	Dadri GPS	830 MW	3.1	3.0	-0.2

Sl. No.			Schedule	Actual	Deviation
38	Salal HPS	690 MW	6.7	7.1	0.4
39	Chamera HPS	540 MW	5.0	5.1	0.1
40	URI HPS	480 MW	5.2	5.8	0.6
41	Dhauliganga HPS	280 MW	1.0	1.1	0.1
42	Dulhasti HPS	390 MW	1.8	1.8	0.0
43	Sewa-II HPS	120 MW	2.9	2.9	0.0
44	NAPS	440 MW	9.9	9.9	-0.1
45	RAPS-B	440 MW	10.3	9.2	-1.1
46	RAPS-C	440 MW	10.3	10.2	-0.1
47	Unchahar II TPS	420 MW	5.2	5.6	0.4
	Total Generation	26166 MW	264.1	269.1	5.0
C	Inter Regional Exchange		219.7	202.0	-17.7
D	Trans-National Exchange		0.0	1.2	
E	RRAS		1.6		
F	ISTS Loss (MU)		8.7	-1.3	
	ISTS Loss (%)		1.80	-0.28	

Western Region Energy Balance for ISTS for 15-Jan-2020

Sl. No.			Schedule	Actual	Deviation
A	States				
1	Gujarat		81.2	84.6	3.4
2	Madhya Pradesh		131.3	127.2	-4.1
3	Chattisgarh		25.2	24.0	-1.2
4	Maharashtra		155.6	153.5	-2.1
5	Goa		10.0	9.6	-0.4
6	Daman & Diu		6.5	6.8	0.3
7	Dadra & Nagar Haveli		18.0	17.9	-0.1
8	Essar Steel		5.6	5.0	-0.6
	Total Drawal		433.4	428.6	-4.8
B	Regional Entities Generation				
1	Korba-I&II	2100 MW	41.6	41.1	-0.5
2	Korba-III	500 MW	11.2	11.6	0.4
3	Vindhyachal-I	1260 MW	21.4	21.1	-0.4
4	Vindhyachal-II	1000 MW	13.3	13.2	-0.1
5	Vindhyachal-III	1000 MW	20.5	22.2	1.7
6	Vindhyachal-IV	1000 MW	20.7	21.4	0.6
7	Vindhyachal-V	500 MW	9.6	9.7	0.1
8	Sipat-I	1980 MW	42.1	43.8	0.5
9	Sipat-II	1000 MW	20.9	21.4	-1.5
10	Mouda-I	1000 MW	7.1	7.0	-0.2
11	Sasan	3960 MW	89.2	91.0	1.0
12	Mundra	4150 MW	75.9	74.7	-1.2
13	NSPCL	500 MW	6.5	6.7	-0.3
14	Kakrapar	440 MW	8.6	8.0	-0.5
15	Tarapur I	320 MW	3.6	3.6	-0.3
16	Tarapur-II	1080 MW	11.8	11.8	-0.2
17	Kawas	656 MW	0.0	-0.1	-0.2
18	Gandhar	657 MW	0.0	-0.1	-0.1
19	RGPPL	1000 MW	9.9	10.0	-0.7
20	SSP	1450 MW	12.6	11.1	-0.2
21	Mouda-II	500 MW	18.6	18.6	-0.1
22	NTPC Sholapur	660 MW	0.0	-0.1	0.3
23	GADARWARA	800 MW	9.3	10.6	-0.2
24	CS Solar & Wind	2300 MW	4.5	3.7	-0.8
25	Essar Mahan	600 MW	5.7	5.7	0.0
26	Balco	1200 MW	7.5	7.1	-0.4
27	JP Nigrie	1320 MW	17.5	17.7	0.2
28	Lanco	600 MW	9.0	9.0	0.1
29	KSK Mahnadi	1200 MW	22.7	22.6	0.0
30	Jindal Stg-1	1000 MW	1.0	3.1	2.1
31	Jindal Stg-2	1800 MW	13.5	13.5	0.0
32	DCPP	540 MW	2.1	2.2	0.1
33	Korba West	600 MW	9.9	7.5	-2.5
34	DBPower	1200 MW	18.7	18.2	-0.5
35	EMCO	600 MW	6.6	6.5	-0.1
36	ACBIL+ Spectrum+MCPL	620 MW	5.1	5.1	0.0
37	Dhariwal	300 MW	5.8	5.9	0.0

Sl. No.			Schedule	Actual	Deviation
38	SKS	0 MW	5.2	5.2	0.0
39	RKM	720 MW	6.6	6.6	0.0
40	MB Power	1200 MW	18.5	18.3	-0.3
41	GMR Chhattisgarh	1370 MW	23.2	22.3	-0.9
42	DGEN	1200 MW	0.0	0.0	0.0
43	Jhabua	600 MW	8.8	8.3	-0.5
44	TRN Energy	600 MW	6.1	6.2	0.1
45	Infirm		0.0	0.0	0.0
	Total Generation	46283 MW	652.3	652.7	-5.5
C	Inter Regional Exchange		-231.7	-234.4	-2.6
D	RRAS		-6.7		
F	ISTS loss (MU)		-6.1	-10.3	
	ISTS loss (%)		-0.94	-1.58	

Southern Region Energy Balance for ISTS for 15-Jan-2020

Sl. No.			Schedule	Actual	Deviation
A	States				
1	Andhra Pradesh		59.7	58.6	-1.1
2	Telangana		98.0	97.6	-0.4
3	Karnataka		55.8	54.0	-1.8
4	Kerala		56.5	58.0	1.5
5	Tamil Nadu		131.3	130.2	-1.2
6	Pondicherry		6.2	5.7	-0.5
	Total Drawal		407.4	404.0	-3.4
B	Regional Entities Generation				
1	Coastal Energen	1200 MW	9.9	9.96	0.1
2	IL&FS	1200 MW	11.02	10.94	-0.1
3	Kaiga STG II	440 MW	9.96	9.97	0.0
4	Kaiga STGI	440 MW	10.1	10.14	0.0
5	Kudankulam	2000 MW	20.16	30.32	10.2
6	NTPC Kudgi	2400 MW	15.09	15.37	0.3
7	LKPPL STG2	366 MW	0	0	0.0
8	LKPPL STG3	732 MW	0	0	0.0
9	Madras APS	440 MW	4.39	4.58	0.2
10	Meenakshi	300 MW	0	0	0.0
11	NTPL	1000 MW	15.16	15.26	0.1
12	Neyveli TPS I (EXP)	420 MW	7.62	8.18	0.6
13	Neyveli TPS II	1470 MW	23.38	25.3	1.9
14	Neyveli TPS II (EXP)	500 MW	4.25	4.1	-0.2
15	Ramagundam,NTPC	2600 MW	40.76	40.56	-0.2
16	SEIL	1320 MW	26.77	26.46	-0.3
17	SGPL	1320 MW	20.56	20.6	0.0
18	Simhapuri	600 MW	0	0	0.0
19	Simhadri I, NTPC	1000 MW	13.24	13.02	-0.2
20	Simhadri II, NTPC	1000 MW	13.62	13.8	0.2
21	Talcher II, NTPC	2000 MW	39.47	39.52	0.1
22	Vallur	1500 MW	14.73	14.61	-0.1
23	Infirm		0.0	0.0	0.0
	Total Generation	24248 MW	300.2	312.7	12.5
C	Inter Regional Exchange		96.1	97.9	1.8
D	RRAS		-3.8		
E	ISTS loss (MU)		-7.4	6.6	
	ISTS loss (%)		-1.87	2.97	

Eastern Region Energy Balance for ISTS for 15-Jan-2020

Sl. No.			Schedule	Actual	Deviation
A	States				
1	Bihar		79.2	79.1	-0.1
2	DVC		-34.0	-33.8	0.2
3	Jharkhand		15.9	15.5	-0.4
4	Odisha		5.3	6.0	0.7
5	West Bengal		20.6	20.2	-0.4
6	Sikkim		1.7	1.9	0.2
7	Total Drawal		88.8	89.0	0.2
B	Regional Entities Generation				
1	Farakka STPS - I & II	1600 MW	23.7	23.7	0.0
2	Farakka STPS - III	500 MW	0.3	0.0	-0.3
3	Kahalgaon STPS - I	840 MW	15.0	15.0	0.0
4	Kahalgaon STPS - II	1500 MW	28.4	28.2	-0.1
5	Barh STPS - I & II	1320 MW	11.8	11.7	0.0
6	Talcher STPS - I	1000 MW	19.6	19.6	0.0
7	Nabinagar	500 MW	13.8	13.9	0.1
8	Teesta	510 MW	2.7	2.9	0.1
9	Rangit	60 MW	0.5	0.5	0.0
10	Kurichu	60 MW	0.0	0.0	0.0
11	Tala	1020 MW	2.4	2.4	0.0
12	Chukha	336 MW	0.0	-0.9	-0.9
13	Dagachu	126 MW	0.7	0.0	-0.7
14	MPL	1050 MW	16.1	16.3	0.3
15	APNRL	540 MW	8.6	8.6	0.0
16	GMR	1050 MW	14.1	13.6	-0.5
17	JITPL	1200 MW	12.6	12.5	-0.1
18	Chuzachen HEP	110 MW	0.3	0.3	0.0
19	Jorethang HEP	96 MW	0.4	0.4	-0.1
20	Dikchu	96 MW	0.2	0.2	0.0
21	Teesta-III	1200 MW	5.1	5.0	-0.1
22	Tashiding HEP	96 MW	0.4	0.4	0.0
23	Talcher Solar	10 MW		0.0	0.0
24	KBUNL	390 MW	5.9	5.8	-0.1
25	NSTPP	660 MW	0.0	0.0	0.0
26	Mangdechu	800 MW	2.5	2.5	0.0
25	Infirm			0.0	0.0
	Total Generation	15870 MW	185.1	182.9	-2.2
C	Inter Regional Exchange		-87.8	-72.8	15.0
D	Trans-National Exchange		-13.8	-14.1	
E	RRAS		-2.5		
F	ISTS loss (MU)		-2.8	7.0	
	ISTS loss (%)		-1.28	0.00	

North Eastern Region Energy Balance for ISTS for 15-Jan-2020					
Sl.No.			Schedule	Actual	Deviation
A	States				
1	Arunachal Pradesh		2.0	2.1	0.2
2	Assam		17.8	17.7	-0.1
3	Manipur		3.2	2.7	-0.5
4	Meghalaya		3.3	3.9	0.6
5	Mizoram		1.7	1.3	-0.3
6	Nagaland		2.2	2.0	-0.2
7	Tripura		2.5	2.3	-0.2
	Total Drawal		32.5	31.9	-0.6
B	Regional Entities Generation				
1	Khandong+Kopili Stage-II	75 MW	1.1	1.2	0.1
2	Kopili	200 MW	0.0	0.0	0.0
3	Kathalguri	291 MW	5.6	6.1	0.5
4	Loktak	105 MW	0.5	0.6	0.1
5	AGTCCPP	130 MW	2.3	2.4	0.1
6	Doyang	75 MW	0.2	0.2	0.0
7	Ranganadi	405 MW	1.2	1.3	0.1
8	Palatana	726 MW	8.5	8.9	0.3
9	BgTPP	250 MW	9.8	10.1	0.3
10	Pare	110 MW	0.5	0.5	0.0
	Total Generation	2367 MW	29.8	31.2	1.4
C	Inter Regional Exchange		4.0	3.5	-0.4
D	RRAS		-0.1		
E	ISTS loss (MU)		1.3	2.8	
	ISTS loss (%)		3.99	0.00	

1). All India Power System Scenario - Comparison with the same week of previous year

Date of Reporting: 16.01.20

Northern Region

	09.01.20 TO 15.01.20	09.01.19 TO 15.01.19	% Increase
Peak Demand	46932	45855	2.3
Peak Shortage	546	809	-32.5
Energy Met	949	962	-1.4
Hydro	119	111	7.7
Wind	17	11	55.3

Eastern Region

	09.01.20 TO 15.01.20	09.01.19 TO 15.01.19	% Increase
Peak Demand	18131	17674	2.6
Peak Shortage	30	88	-65.5
Energy Met	347	350	-1.1
Hydro	33	27	23.6
Wind	-	-	-

Western Region

	09.01.20 TO 15.01.20	09.01.19 TO 15.01.19	% Increase
Peak Demand	45861	46669	-1.7
Peak Shortage	0	0	0.0
Energy Met	1099	1101	-0.1
Hydro	45	26	71.4
Wind	47	36	29.9

North-Eastern Region

	09.01.20 TO 15.01.20	09.01.19 TO 15.01.19	% Increase
Peak Demand	2386	2379	0.3
Peak Shortage	35	40	-13.3
Energy Met	41	42	-3.5
Hydro	7	8	-6.0
Wind	-	-	-

Southern Region

	09.01.20 TO 15.01.20	09.01.19 TO 15.01.19	% Increase
Peak Demand	38408	39809	-3.5
Peak Shortage	0	0	--
Energy Met	962	903	6.5
Hydro	76	71	7.0
Wind	32	42	-23.8

All India Summary

	09.01.20 TO 15.01.20	09.01.19 TO 15.01.19	% Increase
Peak Demand	151718	152387	-0.4
Peak Shortage	611	936	-34.8
Energy Met	3397	3359	1.1
Hydro	280	242	15.8
Wind	97	90	7.8
Gen Outage	71216	66250	7.5

All India Frequency Profile

Date	<49.7		49.7-49.8		AVE. Freq.	FVI
	15.01.20	15.01.19	15.01.20	15.01.19		
All India	0.0	0.0	0.0	0.3	50.02	0.028

Date	49.8-49.9		<49.9		49.9-50.05		>50.05	
	15.01.20	15.01.19	15.01.20	15.01.19	15.01.20	15.01.19	15.01.20	15.01.19
All India	2.04	6.06	2.04	6.3	76.16	67.04	21.81	26.64

Diversity factor for 15.01.20

Regional Demand Diversity Factor	NR	WR	SR	ER	NER
	1.062	0.803	1.079	1.059	1.008

All India Demand Diversity Factor	Based on Regional Max Demands	Based on States' Max Demands
	1.096	1.060

Diversity Factor = Sum of constituent systems' max demands / System max demand

2). Market Data (Power Exchange)

For Date: 16.01.20

Volume

Exchange	Provisional (MUs)	Final (MUs)
PXI	0.04	0.04
IEX	138.54	138.54
Total	138.58	138.58

Congestion

Link	Time Block
NR DRAWAL	NIL
ER-SR	NIL
SR DRAWAL	NIL
WR-NR	NIL
ER-NER/NER DRAWAL	NIL
S3 DRAWAL	NIL

Unconstrained Market Clearing Price (Rs./kWh)

Max	3.55
Min	1.00
Avg	2.55

(A). Generation Loss due to Coal Shortage for Previous Day						
Date of Reporting: 16.01.2020						
	Location	Agency	Total Capacity	Previous Day Average MW	Loss of Generation (in MW)	Remarks
NORTHERN REGION						
TOTAL			0	0	0	
WESTERN REGION						
JPL stage-1 (4 X 250 MW)	Tannar	JPL	1000	217	533	iv depends upon the auction by Coal India Ltd. 250 MW loss due to U # 1 stopped at 08:06 hr. on 1
JPL stage-2 (4 X 600 MW)	Tannar	JPL	2400	592	1808	Loss due to coal shortage.
Uchpinda, P.O. Dharkot, Dist. Jan	Champa (CG)	R.K.M. Powergen	1440	320	30	No schedule for U#1,U#3,U#4 (No PPA)
GMR WARORA ENERGY LTD.	MAH	WARORAENERGY	600	483.0	117	COAL SHORTAGE
KSK	Chhattisgarh	KMPCL	1800	975	825	Coal consumption is based on GCV considering three Units are running.
BARADARHA TPS (DB POWER)	DB Power Limited	1200 (2X600)	795	405	390	Critical
TRNEPL, RAIGARH (Unit-1)	Raigarh	IPP/TRNEPL	300	0	300	- Unit-1 taken under shutdown at 01:50 hrs on 10/07/19 due to low schedule by UPPCL and w.e.f 00:00 hrs of 01/10/19, unit is under forced outage due to Coal shortage and poor coal quality due to force majeure.
TOTAL			8335	2992	4003	
EASTERN REGION						
TOTAL			0	0	0	
(B). Generation Loss due to Other Reasons						
Station	Location	Agency	Total Capacity	Average MW	Loss of Generation (in MW)	Remarks
NORTHERN REGION						
TOTAL			0	0	0	
WESTERN REGION						
CGPL/UMPP(5*800MW)	Mundra	Tata Power	4000	3425	575	Power surrendered by procurers
BHUSWAL(210*1+500*2)	MAH	MAH	1210	0.0	1210.0	U- 2 & 3 ARE ZERO SCHEDULE ,U-5 TRIP ON BTL,U- 4 TRIP ZERO SCHEDULE
CHANDRAPUR(2*210+4*500)	MAH	MAH	2420	2022.4	397.6	U-7 TRIP ON ANNUAL OH ,OTHER PORATIONAL LOSS,COAL MILL , COAL MILL DUE TO OTHER PORATIONAL LOSS,DUCK LEAKAGE ,LD INST , ID MARGIN ,COAL
KHAPARKHEDA(210*4+500)	MAH	MAH	1340	1156.4	0.0	OTHER ORATIONAL LOSS,COAL FEEDER,PCQ ,LD INST, COAL MILL,SHEAR PIN
KORADI(210*2+660*3)	MAH	MAH	2400	891.8	620.0	U - 6 ZERO SCHEDULE ,U- 7 TRIP ON WET COAL ,COAL MILL , OTHER ORATIONAL LOSS , PCQ , COAL MILL , OTHER ORATIONAL LOSS
PARLI(210*2+3*250)	MAH	MAH	1170	0.0	1130.0	U- 6 & 7 & 8 ARE ZERO SCHEDULE ...
PARAS(2*250)	MAH	MAH	500	383.4	0.0	LD INST , PCQ ,TRIP LOSS , START UP LOSS
TRNEPL, RAIGARH (Unit-2)	Raigarh	IPP/TRNEPL	300	297.7	2.3	- LTA surrender by UPPCL - Generation as per schedule
Uchpinda, P.O. Dharkot, Dist. Jan	Champa (CG)	R.K.M. Powergen	1440	320	30	No schedule for U#1,U#3,U#4 (No PPA)
Solapur	Solapur	NTPC	1320	0	1320	No schedule for U # 1,U # 2
TROMBAY	MAH	Tata Power	910	688	222	LESS SCHEDULE
NSPCL, BHLAI (2x250)	Chhattisgarh	NSPCL	500	308	191.67	LESS SCHEDULE
SUGEN(3*383)	GUJ	TPL	1149	412	737	HIGH COST GEN.
GPEC	GUJ	GUVNL	655	0	655	HIGH COST GEN.
UGPP-2	GUJ	GUVNL	375	0.00	375.00	HIGH COST GEN.
DGBPS-1	GUJ	GUVNL	107	32.167	74.83	HIGH COST GEN.
DGBPS-2	GUJ	GUVNL	112	0	112.00	HIGH COST GEN.
DGBPS-3	GUJ	GUVNL	375	0.00	375.00	HIGH COST GEN.
GSEG-2	GUJ	GUVNL	351	0.00	351.00	HIGH COST GEN.
GSEG-1	GUJ	GUVNL	156.1	0	156.1	HIGH COST GEN.
ACBIL, Kasipali (2*135)	Kasipali	IPP/ACBIL	270	134.38	135.62	Unit# 2 under shutdown, Unit# 1 power surrender by CSEB from 14th to 17th Block
SCPL, Ratija (2*50)	Ratija	IPP/SCPL	100	101.13	-1.13	
ACBIL, Chakabura (2*30)	Chakabura	IPP/ACBIL	60	29.83	30.17	Unit# 1 under shutdown, Unit# 2 coal hanging problem
MCCPL, Bandakhar (1*300)	Bandakhar	IPP/MCCPL	300	267.71	32.29	RVVNL and CSEB power surrender
TOTAL			21520	10470	8731	
SOUTHERN REGION						
TOTAL			0	0	0	
EASTERN REGION						
TOTAL			0	0	0	
GRAND TOTAL			21520	10470	8731	

Note: In respect of loss of generation-
1. Units with capacity 200 MW and above have been taken.
2. Generating stations (stages) with total capacity of 500 MW and above where loss of generation is 200 MW and above have been taken.
3. Stations where unit is ready but out due to problems as transmission constrains, cooling water issues, statutory clearance etc. have been taken.

(C). GENERATION LOSS DUE TO LESS REQUISTION /HIGH COST

(C). GENERATION LOSS DUE TO LESS REQUISTION /HIGH COST									
DATE OF REPORTING :						16.01.2020			
	Station Name	Fuel Type	Installed Capacity (MW)	UNITS		Average Declared Capacity	Average Schedule	Less Requisition	
				S/D	Fuel Shortage				
NR	ANTA	GAS	419			0	0	0	
		RLNG				357	0	357	
		LF				0	0	0	
		Total				357	0	357	
	AURAIYA	GAS	663			0	199	-199	
		RLNG				345	0	345	
		LF				0	0	0	
		Total				345	199	146	
	DADRI	GAS	830			260	129	131	
		RLNG				650	2	648	
		LF				0	0	0	
		Total				910	131	779	
	NR TOTAL		1912			1612	330	1283	
WR	KAWAS	GAS	656			0	0	0	
		NAPM				0	0	0	
		LF				0	0	0	
		RLNG				640	0	640	
		Total				0	0	640	0
	GANDHAR	GAS	657			10	0	10	
		NAPM				0	0	0	
		RLNG				643	0	643	
		Total				0	0	653	0
	RGPPL	RGPPL_IR	1967			0	0	0	
		RGPPL_MSEB				540	444	96	
		RGPPL_OTHERS				0	0	0	
		Total				0	0	540	444
		WR TOTAL		3280			1833	444	1388
	Note:-								
Report of loss of generation in respect of ISGS stations of WR and NR due to less requisition/high cost.									



POWER SYSTEM OPERATION CORPORATION LIMITED
NORTHERN REGIONAL LOAD DESPATCH CENTRE
DAILY OPERATION REPORT OF NORTHERN REGION

Power Supply Position in Northern Region For 15-Jan-2020

Date of Reporting:16-Jan-2020

1. Regional Availability/Demand:

Evening Peak (19:00) MW				Off-Peak (03:00) MW				Day Energy(Net MU)	
Demand Met	Shortage(-)/Surplus(+)	Requirement	Freq (Hz)	Demand Met	Shortage(-)/Surplus(+)	Requirement	Freq (Hz)	Demand Met	Shortage
46,632	571	47,203	50.07	28,457	254	28,711	50.02	950	10.39

2(A)State's Load Deails (At State Periphery) in MU:

State	State's Control Area Generation (Net MU)							Drawal Sch (Net MU)	Act Drawal (Net MU)	UI (Net MU)	Requirement (Net MU)	Shortage (Net MU)	Consumption (Net MU)
	Thermal	Hydro	Gas/Naptha/Diesel	Solar	Wind	OthersBiomass/Small Hyd/Co-gen etc.)	Total						
PUNJAB	43.28	11.74	0	1.9	0	1.05	57.96	54.68	53.44	-1.24	111.4	0	111.4
HARYANA	36.25	0.97	0	0.1	0	0.88	38.2	88.84	89.53	0.69	127.73	0	127.73
RAJASTHAN	117.04	2.32	2.23	16.01	19.85	4.22	161.67	72.34	71.61	-0.73	233.28	0	233.28
DELHI	0	0	15.82	0	0	0.89	16.72	58.52	58.66	0.14	75.38	0	75.38
UTTAR PRADESH	142.57	7.89	0	2.41	0	21.6	174.47	110.95	109.56	-1.39	284.03	0	284.03
UTTARAKHAND	0	10.32	6.63	0.32	0	0.85	18.12	21.02	21.01	-0.01	39.13	0	39.13
HIMACHAL PRADESH	0	3.19	0	0	0	3.2	6.39	22.89	24.35	1.46	30.74	0	30.74
J&K(UT) & Ladakh(UT)	0	5.37	0	0	0	0	5.37	39.83	38.42	-1.41	54.18	10.39	43.79
CHANDIGARH	0	0	0	0	0	0	0	4.41	4.6	0.19	4.6	0	4.6
Region	339.14	41.8	24.68	20.74	19.85	32.69	478.9	473.48	471.18	-2.3	960.47	10.39	950.08

2(B)State Demand Met (Peak and off-peak Hrs)

State	Evening Peak (19:00) MW				Off-Peak (03:00) MW			
	Demand Met	Shortage(-)/Surplus(+)	UI	STOA/PX Transaction	Demand Met	Shortage(-)/Surplus(+)	UI	STOA/PX Transaction
PUNJAB	5,738	0	10	-597	3,103	0	14	-597
HARYANA	6,653	0	-33	-148	3,936	0	135	-130
RAJASTHAN	10,099	0	148	89	6,376	0	-117	111
DELHI	3,674	0	24	32	1,644	0	40	-972
UTTAR PRADESH	14,464	0	-358	103	9,799	0	-24	44
UTTARAKHAND	1,942	0	40	501	1,223	0	23	409
HIMACHAL PRADESH	1,542	0	98	123	843	0	-16	437
J&K(UT) & Ladakh(UT)	2,284	571	145	470	1,438	254	-150	-24
CHANDIGARH	236	0	30	-40	96	0	-8	0
Region	46,632	571	104	533	28,458	254	-103	-722

2(C)State's Demand Met in MWs (Maximum Demand Met and Maximum requirement of the day details)

State	Maximum Demand, corresponding shortage and requirement details for the day				Maximum requirement, corresponding shortage and demand details for the day					
	Maximum Demand Met of the day	Time	Shortage(-) /Surplus(+) during at maximum demand	Requirement at the max demand met of the day	Maximum Requirement of the day	Time	Shortage(-) /Surplus(+) during at maximum Requirement	Demand Met at maximum requiremnet	Min Demand Met	Time
PUNJAB	5,815	9:00	0	5,815	5,815	9:00	0	5,815	3,103	3:00
HARYANA	6,653	19:00	0	6,653	6,653	19:00	0	6,653	3,889	2:00
RAJASTHAN	13,389	10:00	0	13,389	13,389	10:00	0	13,389	6,110	5:00
DELHI	4,500	11:00	0	4,500	4,500	11:00	0	4,500	1,569	4:00
UP	14,865	20:00	0	14,865	14,865	20:00	0	14,865	9,799	3:00
UTTARAKHAND	2,183	9:00	0	2,183	2,183	9:00	0	2,183	1,223	3:00
HP	1,683	10:00	0	1,683	1,683	10:00	0	1,683	837	4:00
J&K(UT)&Ladak ..	2,284	19:00	571	2,855	2,855	19:00	571	2,284	1,357	24:00
CHANDIGARH	280	8:00	0	280	280	8:00	0	280	96	3:00
NR	48,228	11:00	767	48,995	48,995	11:00	767	48,228	28,446	4:00

3(A) State Entities Generation:

CHANDIGARH						
Station/Constituents	Inst. Capacity	N/A	N/A	Day Peak		Day Energy
	(MW)	Peak MW	Off Peak MW	(MW)	Hrs	(MU)
NIL						
Total	0	0	0			0
Total	0	0	0			0

DELHI							
Station/Constituents	Inst. Capacity	19:00	03:00	Day Peak		Day Energy	AVG. MW
	(MW)	Peak MW	Off Peak MW	(MW)	Hrs	(MU)	
RAJGHAT TPS(2 * 67.5)	135	0	0	0			
Total THERMAL	135	0	0			0	0
BAWANA GPS(2 * 253 + 4 * 216)	1,370	465	450	0		11.05	460
DELHI GAS TURBINES(3 * 34 + 6 * 30)	282	42	42	0		0.96	40
PRAGATI GAS TURBINES(1 * 121.2 + 2 * 104.6)	452	156	156	0		3.81	159
RITHALA GPS(3 * 36)	108	0	0	0			
Total GAS/NAPHTHA/DIESEL	2,212	663	648			15.82	659
WIND	0	0	0	0			
BIOMASS(16)	16	21	18	0		0.89	37
SOLAR(2)	2	0	0	0			
Total DELHI	2,365	684	666			16.71	696

HARIYANA							
Station/Constituents	Inst. Capacity	19:00	03:00	Day Peak		Day Energy	AVG. MW
	(MW)	Peak MW	Off Peak MW	(MW)	Hrs	(MU)	
DCRTPP (YAMUNA NAGAR)(2 * 300)	600	279	245	282	10:00	6.09	254
JHAJJAR(CLP)(2 * 660)	1,320	959	745	1,176	13:00	20.12	838
MAGNUM DIESEL (IPP)(4 * 6.3)	25	0	0	0			
PANIPAT TPS(2 * 210 + 2 * 250)	920	0	0	0			
RGTPP(KHEDAR)(2 * 600)	1,200	536	371	541	11:00	10.04	418
Total THERMAL	4,065	1,774	1,361			36.25	1,510
FARIDABAD GPS(1 * 156.07 + 2 * 137.75)	432	0	0	0			
Total GAS/NAPHTHA/DIESEL	432	0	0			0	0
TOTAL HYDRO HARYANA(64.8)	65	26	31	33	18:00	0.97	40
Total HYDEL	65	26	31			0.97	40
WIND	0	0	0	0			
BIOMASS(106)	106	0	0	0		0.88	37
SOLAR(55.8)	56	0	0	0		0.1	4
Total HARYANA	4,724	1,800	1,392			38.2	1,591

HIMACHAL PRADESH							
Station/Constituents	Inst. Capacity	19:00	03:00	Day Peak		Day Energy	AVG. MW
	(MW)	Peak MW	Off Peak MW	(MW)	Hrs	(MU)	
BASPA (IPP) HPS(3 * 100)	300	7	3	0		0.12	5
MALANA (IPP) HPS(2 * 43)	86	0	0	0		0.22	9
OTHER HYDRO HP(372)	372	158	111	0		2.85	119
Total HYDEL	758	165	114			3.19	133
WIND	0	0	0	0			
BIOMASS	0	0	0	0			
SOLAR	0	0	0	9.7406		0	0
SMALL HYDRO(486)	486	140	77	0		3.2	133
Total SMALL HYDRO	486	140	77			3.2	133
Total HP	1,244	305	191			6.39	266

J&K(UT) & LADAKH(UT)							
Station/Constituents	Inst. Capacity	19:00	03:00	Day Peak		Day Energy	AVG. MW
	(MW)	Peak MW	Off Peak MW	(MW)	Hrs	(MU)	
GAS/DIESEL/OTHERS J&K(1 * 190)	190	0	0	0			
Total GAS/NAPHTHA/DIESEL	190	0	0			0	0
BAGLIHAR (IPP) HPS(6 * 150)	900	0	0	0		3.54	148
OTHER HYDRO/IPP J&K(308)	308	0	0	0		1.83	76
Total HYDEL	1,208	0	0			5.37	224
WIND	0	0	0	0			
BIOMASS	0	0	0	0			
SOLAR	0	0	0	0			
SMALL HYDRO(98)	98	0	0	0			
Total SMALL HYDRO	98	0	0			0	0
Total J&K(UT)&Ladakh(UT)	1,496	0	0			5.37	224

PUNJAB							
Station/Constituents	Inst. Capacity	19:00	03:00	Day Peak		Day Energy	AVG. MW
	(MW)	Peak MW	Off Peak MW	(MW)	Hrs	(MU)	
GOINDWAL(GVK)(2 * 270)	540	0	0	0			
GURU GOBIND SINGH TPS (ROPAR)(4 * 210)	840	0	0	0		0.1	4
GURU HARGOBIND SINGH TPS (LEHRA MOHABBAT)(2 * 210 + 2 * 250)	920	0	0	0		0.09	4
RAJPURA(NPL) TPS(2 * 700)	1,400	1,320	660	1,320		24.92	1,038
TALWANDI SABO TPS(3 * 660)	1,980	890	616	1,228		18.17	757
Total THERMAL	5,680	2,210	1,276			43.28	1,803
ANANADPUR SAHIB HYDRO PLANT(2 * 33.5 + 2 * 33.5)	134	0	0	0			
MUKERIAN HYDRO PLANT(6 * 15 + 6 * 19.5 + 2 * 9)	225	194	144	198		4.02	168
RANJIT SAGAR POWER PLANT (4 * 150)	600	150	150	300		3.72	155
SHANAN(4 * 15 + 1 * 50)	110	45	12	45		0.51	21
UBDC(3 * 15 + 3 * 15.5)	92	46	45	54		1.13	47
OTHER HYDRO PUNJAB	0	0	0	0		2.34	98
Total HYDEL	1,161	435	351			11.72	489
WIND	0	0	0	0			
BIOMASS(303)	303	0	0	0		1.05	44
SOLAR(859)	859	0	0	310		1.9	79
Total PUNJAB	8,003	2,645	1,627			57.95	2,415

RAJASTHAN							
Station/Constituents	Inst. Capacity	19:00	03:00	Day Peak		Day Energy	AVG. MW
	(MW)	Peak MW	Off Peak MW	(MW)	Hrs	(MU)	
BARSINGSAR (IPP) LTPS(2 * 125)	250	223	109	0		3.56	148
CHHABRA TPS(2 * 660 + 4 * 250)	2,320	1,483	1,493	0		37.29	1,554
GIRAL (IPP) LTPS(2 * 125)	250	0	0	0			
KALISINDH TPS(2 * 600)	1,200	725	397	0		13.45	560
KAWAI TPS(2 * 660)	1,320	858	861	0		23.41	975
KOTA TPS(2 * 110 + 2 * 195 + 3 * 210)	1,240	547	571	0		14.73	614
RAJWEST (IPP) LTPS(8 * 135)	1,080	572	372	0		13.16	548
SURATGARH TPS (6 * 250)	1,500	334	346	0		8.94	373
VSLPP (IPP)(1 * 135)	135	111	92	0		2.5	104
Total THERMAL	9,295	4,853	4,241			117.04	4,876
DHOLPUR GPS(3 * 110)	330	0	0	0			
RAMGARH GPS(1 * 110 + 1 * 35.5 + 1 * 50 + 2 * 37.5)	271	71	70	0		2.23	93
Total GAS/NAPHTHA/DIESEL	601	71	70			2.23	93
RAPS-A(1 * 100 + 1 * 200)	300	158	160	0		3.72	155
Total NUCLEAR	300	158	160			3.72	155
TOTAL HYDRO RAJASTHAN(550)	550	116	88	0		2.32	97
Total HYDEL	550	116	88			2.32	97
WIND	4,292	1,230	707	0		19.85	827
BIOMASS(102)	102	21	21	0		0.5	21
SOLAR(3045)	3,045	0	0	0		16.01	667
Total RAJASTHAN	18,185	6,449	5,287			161.67	6,736

UTTAR PRADESH

Station/Constituents	Inst. Capacity	19:00	03:00	Day Peak		Day Energy	AVG. MW
	(MW)	Peak MW	Off Peak MW	(MW)	Hrs	(MU)	
ANPARA TPS(2 * 500 + 3 * 210)	1,630	1,640	1,312	0		33.68	1,403
ANPARA-C TPS(2 * 600)	1,200	1,022	602	0		19.28	803
ANPARA-D TPS(2 * 500)	1,000	471	471	0		10.76	448
BAJAJ ENERGY PVT LTD (IPP) TPS(10 * 45)	450	0	0	0			
BARA PPGCL TPS(3 * 660)	1,980	1,184	698	0		20.75	865
HARDUAGANJ TPS(1 * 105 + 1 * 60 + 2 * 250)	665	444	252	0		7.28	303
LALITPUR TPS(3 * 660)	1,980	726	689	0		15.99	666
MEJA TPS(1 * 660)	660	0	0	0			
OBRA TPS (2 * 94 + 5 * 200)	1,188	266	222	0		6.19	258
PARICHA TPS(2 * 110 + 2 * 210 + 2 * 250)	1,380	377	347	0		8.45	352
ROSA TPS(4 * 300)	1,200	733	592	0		14.76	615
TANDA TPS(4 * 110)	440	215	214	0		5.42	226
Total THERMAL	13,773	7,078	5,399			142.56	5,939
ALAKHANANDA HEP(4 * 82.5)	330	142	76	0		1.99	83
VISHNUPARYAG HPS(4 * 110)	440	68	63	0		1.59	66
OTHER HYDRO UP(527)	527	164	205	0		4.31	180
Total HYDEL	1,297	374	344			7.89	329
WIND	0	0	0	0			
BIOMASS(26)	26	0	0	0			
SOLAR(798)	798	0	0	0		2.41	100
CO-GENERATION(1360)	1,360	900	900	0		21.6	900
Total OTHERs	1,360	900	900			21.6	900
Total UP	17,254	8,352	6,643			174.46	7,268

UTTARAKHAND

Station/Constituents	Inst. Capacity	19:00	03:00	Day Peak		Day Energy	AVG. MW
	(MW)	Peak MW	Off Peak MW	(MW)	Hrs	(MU)	
TOTAL GAS UK(675)	675	270	270	279	11:00	6.63	276
Total GAS/NAPTHA/DIESEL	675	270	270			6.63	276
OTHER HYDRO UK(1250)	1,250	582	300	582	20:00	10.32	430
Total HYDEL	1,250	582	300			10.32	430
WIND	0	0	0	0			
BIOMASS(127)	127	35	34	38	01:00	0.85	35
SOLAR(100)	100	0	0	67	14:00	0.32	13
SMALL HYDRO(180)	180	0	0	0			
Total SMALL HYDRO	180	0	0			0	0
Total UTTARAKHAND	2,332	887	604			18.12	754

Station/Constituents	Inst. Capacity	Declared Capacity	19:00	03:00	Day Peak		Day Energy		AVG. MW	UI
	(MW)	(MW)	Peak MW	Off Peak MW	(MW)	Hrs	SCHD (MU)	ACT (MU)		
IPP										
ADHPL(IPP) HPS(2 * 96)	192	0	96	0	106	11:00	0.39	0.42	18	0.03
BUDHIL HPS (IPP)(2 * 35)	70	0	0	0	60	11:00	0.18	0.19	8	0.01
KARCHAM WANGTOO HPS(4 * 250)	1,000	0	0	0	750	17:45	3.56	3.56	148	0
MALANA2(2 * 50)	100	0	0	0	62	11:00	0	0.19	8	0.19
SAINJ HEP(2 * 50)	100	0	50	0	50	20:00	0.42	0.43	18	0.01
SHREE CEMENT (IPP) TPS(2 * 150)	300	0	170	213	297	10:00	5.31	5.18	216	-0.13
Sub-Total	1,762	0	316	213	-	-	9.86	9.97	416	0.11
SOLAR IPP										
ACME CHITTORGARH SOLAR ENERGY PVT LTD(1 * 250)	250	0	0	0	200	13:01	1.16	1.34	56	0.18
AZURE POWER INDIA PVT LTD.(4 * 50)	200	0	0	0	198	12:30	1.08	1.32	55	0.24
AZURE POWER THIRTY FOUR PRIVATE LTD(1 * 130)	130	0	0	0	128	13:03	0.79	0.95	40	0.16
CLEAN SOLAR POWER (BHADLA) PVT LTD(1 * 300)	300	0	0	0	165	12:56	0.97	1.09	45	0.12
MAHOBA SOLAR (UP) PRIVATE LTD(1 * 250)	250	0	0	0	206	13:30	1.39	1.46	61	0.07
RENEW SOLAR POWER PVT LTD(50)	50	0	0	0	50	12:02	0.32	0.35	15	0.03
RENEW SOLAR POWER PVT LTD. BIKANER(1 * 250)	250	0	0	0	259	12:45	1.45	1.53	64	0.08
SB ENERGY FOUR PVT LTD(2 * 100)	200	0	0	0	200	12:40	1.3	1.38	58	0.08
TATA POWER RENEWABLE ENERGY LTD(1 * 150)	150	0	0	0	154	12:31	0.97	1.05	44	0.08
Sub-Total	1,780	0	0	0	-	-	9.43	10.47	438	1.04
Total	3,542	0	316	213	-	-	19.29	20.44	854	1.15

Summary Section					
	Inst. Capacity	PEAK	OFF-PEAK	Day Energy	Day AVG.
Total State Control Area Generation	55,603	21,122	16,410	478.87	19,953
J. Net Inter Regional Exchange [Import (+ve)/Export (-ve)]		9,364	4,319	202	12,822
Total Regional Availability(Gross)	84,209	44,027	30,166	971.84	44,899

Total Hydro Generation					
	Inst. Capacity	PEAK	OFF-PEAK	Day Energy	Day AVG.
Regional Entities Hydro	12,734	4,870	1,535	84.47	3,520
State Control Area Hydro	6,289	1,698	1,228	41.78	1,741
Total Regional Hydro	19,023	6,568	2,763	126.25	5,261

Total Renewable Generation					
	Inst. Capacity	PEAK	OFF-PEAK	Day Energy	Day AVG.
Regional Entities Renewable	1,810	0	0	10.54	439
State Control Area Renewable	10,596	1,447	857	47.96	1,998
Total Regional Renewable	12,406	1,447	857	58.5	2,437

4(A) INTER-REGIONAL EXCHANGES (Import=(+ve) /Export =(-ve))									
SL.No.	Element	19:00	03:00	Maximum Interchange (MW)		Import in MU	Export in MU	NET	
		(MW)	MW	Import (MW)	Export (MW)				
Import/Export between EAST REGION and NORTH REGION									
1	132KV-Garhwa-Rihand	-	-	-	-	-	-	-	
2	132KV-Karmnasa (PG)-Sahupuri(UP)	-	-	-	-	0.48	0.48	0	
3	132KV-Rihand-Sonnagar (PG)	-	-	-	-	0.71	0	0.71	
4	220KV-Pusauli (PG)-Sahupuri(UP)	125	81	137	0	2.48	0	2.48	
5	400KV-Biharsharif (PG)-Baliala(PG)	206	105	415	0	5.82	0	5.82	
6	400KV-Biharsharif (PG)-Varanasi(PG)	26	41	260	48	1.61	0	1.61	
7	400KV-Motihari (DMT)-Gorakhpur(UP)	-	-	-	-	-	-	-	
8	400KV-Muzaffarpur (PG)-Gorakhpur(UP)	310	136	730	0	8.64	0	8.64	
9	400KV-Patna (PG)-Baliala(PG)	479	217	667	0	11.21	0	11.21	
10	400KV-Sasaram-Allahabad (PG)	92	92	140	0	2.47	0	2.47	
11	400KV-Sasaram-Varanasi (PG)	197	200	213	0	4.83	0	4.83	
12	765KV-Fatehpur (PG)-Sasaram.	81	28	302	46	3.02	0	3.02	
13	765KV-Gaya (PG)-Baliala(PG)	299	140	395	0	6.75	0	6.75	
14	765KV-Gaya (PG)-Varanasi(PG)	344	73	737	0	8.9	0	8.9	
15	HVDC800KV-Alipurduar-Agra (PG)	-	-	-	-	0	0	0	
Sub-Total EAST REGION		2,159	1,113	3,996	94	56.92	0.48	56.44	
Import/Export between NORTH_EAST REGION and NORTH REGION									
1	HVDC800KV-BiswanathCharialli-Agra (PG)	-500	-500	0	500	0	11.87	-11.87	
Sub-Total NORTH_EAST REGION		-500	-500	0	500	0	11.87	-11.87	
Import/Export between WEST REGION and NORTH REGION									
1	220KV-Auraiya (NT)-Malanpur(PG)	8	-87	-	180	0	1.88	-1.88	

Import/Export between WEST REGION and NORTH REGION

2	220KV-Bhanpur-Modak	53	12	73	17	0.63	0	0.63
3	220KV-Ranpur-Bhanpur	27	-39	27	43	0	0.23	-0.23
4	400KV-RAPS C (NP)-Sujalpur	146	141	270	141	0.24	0	0.24
5	400KV-Vindhyachal (PG)-Rihand(NT)	-941	-725	-	967	0	21.65	-21.65
6	400KV-Zerda (PG)-Bhinmal(PG)	69	68	334	122	1.03	0	1.03
7	400KV-Zerda (PG)-Kankroli(RJ)	-19	-113	122	129	0	0.39	-0.39
8	765KV-0rai-Gwalior (PG)	-486	-328	0	707	0	11.02	-11.02
9	765KV-0rai-Jabalpur	1,375	794	1,694	0	31.61	0	31.61
10	765KV-0rai-Satna	1,204	942	1,355	0	29.17	0	29.17
11	765KV-Chittorgarh-Banaskata D/C	-632	139	905	208	7.12	0	7.12
12	765KV-Gwalior (PG)-Agra(PG)	2,448	1,338	2,448	0	45.56	0	45.56
13	765KV-Phagi (RJ)-Gwalior(PG)	1,053	463	1,553	-	22.58	0	22.58
14	HVDC500KV-Mundra (JH)-Mohindergarh(JH)	1,500	1,101	1,503	0	31.99	0	31.99
15	HVDC500KV-Vindhyachal (PG)-Vindhyachal B/B	-100	-500	0	500	0	7.45	-7.45
16	HVDC800KV-Champa (PG)-Kurukshetra(PG)(PG)	2,000	500	2,150	0	30.12	0	30.12
Sub-Total WEST REGION		7,705	3,706	12,434	3,014	200.05	42.62	157.43
TOTAL IR EXCHANGE		9,364	4,319	16,430	3,608	256.97	54.97	202

4(B) Inter Regional Schedule & Actual Exchange (Import=(+ve) /Export =(-ve)) in MU

	ISGS/(LT+MT) Schedule	BILT Schedule	PX Schedule	Total IR Schedule	Total IR Actual	NET IR UI
NR-ER	55.97	5.54	9.43	70.94	56.44	-14.5
NR-WR	146.21	-16.58	19.17	148.8	157.43	8.63
Total	202.18	-11.04	28.6	219.74	202	-17.74

5. Inter National Exchange with Nepal [Import (+ve)/Export(-ve)] [Linkwise]

Element	Peak	Off-Peak	Maximum Interchange(MW)		Energy (MU)		Net Energy
	MW	MW	Import	Export	Import	Export	(MU)
132KV-Tanakpur(NH)-Mahendranagar(PG)	-47.14	-48.24		59		1.1713	-1.1713

5. Frequency Profile

RANGE(Hz)	< 49.2	< 49.7	< 49.8	< 49.9	< 50.0	>= 49.9 - <= 50.05	> 50.05 - <= 50.1	> 50.1 - <= 50.2	> 50.2	> 50.05
%	0	0	0	2	33.5	76.2	18.1	3.5	.2	21.8

<-----Frequency (Hz)----->

Maximum		Minimum		Average Frequency	Freq Variation Index	Standard Deviation	Freq. in 15 mnt blk		Freq Dev Index (% of Time)
Frequency	Time	Frequency	Time				Max.	Min.	
50.23	12:03:10	49.82	22:08:10	50.02	0.028	0.05	50.09	49.94	23.8

6. Voltage Profile: 400kV

	Maximum		Minimum		Voltage (in %)				Voltage Deviation Index (% of time)
					< 380	< 390	> 420	> 430	
Abdullapur(PG) - 400KV	430	04:00	410	10:35	0	0	71.53	0	71.53
Amritsar(PG) - 400KV	429	04:00	410	10:15	0	0	61.81	0	61.81
Ballabgarh(PG) - 400KV	424	04:00	399	10:40	0	0	29.51	0	29.51
Bareilly II(PG) - 400KV	423	23:40	406	10:50	0	0	26.39	0	26.39
Bareilly(UP) - 400KV	424	23:40	407	10:50	0	0	36.81	0	36.81
Baspa(HP) - 400KV	425	13:05	412	09:20	0	0	65.63	0	65.63
Bassi(PG) - 400KV	423	04:00	392	10:20	0	0	6.25	0	6.25
Bawana(DTL) - 400KV	429	04:00	409	10:40	0	0	68.75	0	68.75
Dadri HVDC(PG). - 400KV	424	04:00	405	10:40	.35	.35	34.03	0	34.38
Gorakhpur(PG) - 400KV	423	04:00	407	09:35	0	0	27.08	0	27.08
Hisar(PG) - 400KV	425	04:00	403	10:35	0	0	46.88	0	46.88
Kanpur(PG) - 400KV	420	17:05	405	09:15	0	0	2.08	0	2.08
Kashipur(UT) - 400KV	402	00:00	402	00:00	0	0	0	0	0
Kishenpur(PG) - 400KV	410	00:00	410	00:00	0	0	0	0	0
Moga(PG) - 400KV	421	04:00	402	10:20	0	0	6.94	0	6.94
Nallagarh(PG) - 400KV	425	13:05	412	09:20	0	0	65.63	0	65.63
Rihand HVDC(PG) - 400KV	410	23:55	404	09:35	0	0	0	0	0

Rihand(NT) - 400KV	408	23:55	403	09:35	0	0	0	0	0
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6.1 Voltage Profile: 765kV

	Maximum		Minimum		Voltage (in %)				Voltage Deviation Index
					< 728	< 742	> 800	> 820	
Anta RS(RJ) - 765KV	794	04:00	765	10:25	0	0	0	0	0
Balia(PG) - 765KV	792	04:00	764	09:40	0	0	0	0	0
Bareilly II(PG) - 765KV	806	23:40	773	10:50	0	0	28.47	0	28.47
Bhiwani(PG) - 765KV	801	21:15	763	10:40	0	0	1.39	0	1.39
Fatehpur(PG) - 765KV	793	15:05	755	08:50	0	0	0	0	0
Jhatikara(PG) - 765KV	798	04:00	759	10:40	0	0	0	0	0
Lucknow II(PG) - 765KV	787	00:00	787	00:00	0	0	0	0	0
Meerut(PG) - 765KV	798	17:05	761	10:50	0	0	0	0	0
Moga(PG) - 765KV	786	04:00	751	10:20	0	0	0	0	0
Phagi(RJ) - 765KV	799	23:50	759	10:35	0	0	0	0	0
Unnao(UP) - 765KV	784	04:00	753	09:40	0	0	0	0	0

7(A). Short-Term Open Access Details:

State	Off- Peak Hours (03:00)			Peak Hours (19:00)			Day Energy (MU)			
	Bilateral (MW)	IEX (MW)	PXIL (MW)	Bilateral (MW)	IEX (MW)	PXIL (MW)	ISGS / (LT+MT) Schedule	BILT Schedule	PX Schedule	Total (MU)
PUNJAB	-597.2	0	0	-597.2	0	0	69.27	-16.16	1.57	54.68
HARYANA	-360.82	230.81	0	-356.09	208.26	0	93.34	-8.3	3.79	88.84
RAJASTHAN	-11.35	122.24	0	-11.35	99.99	0	57.62	7.55	7.15	72.34
DELHI	-314.69	-657.78	0	-313.12	345.41	0	60.68	-8.06	5.91	58.52
UTTAR PRADESH	-45.44	89.9	0	-42.94	145.44	0	118.49	-8.15	0.62	110.95
UTTARAKHAND	409.04	0	0	340.64	160.85	0	8.41	8.72	3.89	21.02
HIMACHAL PRADESH	519.16	-82.33	0	514.08	-391.29	0	11.81	15.32	-4.24	22.89
CHANDIGARH	0	0	0	0	-40.42	0	4.17	0	0.24	4.41
J&K(UT) & Ladakh(UT)	-23.74	0	0	-23.74	493.6	0	30.27	-0.57	10.13	39.83
TOTAL	-425.04	-297.16	0	-489.72	1,021.84	0	454.06	-9.65	29.06	473.48

7(B). Short-Term Open Access Details

State	ISGS/(LT+MT) Schedule		Bilateral (MW)		IEX (MW)		PXIL (MW)	
	Maximum	Minimum	Maximum	Minimum	Maximum	Minimum	Maximum	Minimum
PUNJAB	3,912.86	1,983.57	-597.2	-902.37	296.16	0	0	0
HARYANA	4,881.66	2,404.33	-246.72	-360.82	237.81	-425.94	0	0
RAJASTHAN	3,825.97	1,074.1	1,297.73	-32.42	1,323.27	-313.43	0	0
DELHI	3,107.59	1,791.16	-282.67	-405.57	1,200.51	-705.47	0	0
UTTAR PRADESH	6,462.65	3,050.64	-32.06	-1,188.19	916.45	-1,413.8	0	0
UTTARAKHAND	739.73	156.16	409.04	340.64	410.81	0	0	0
HIMACHAL PRADESH	1,266.5	178.85	768.27	496.57	165.3	-1,010.45	0	0
CHANDIGARH	278.94	104.75	0	0	93.31	-60.62	0	0
J&K(UT) & Ladakh(UT)	1,866.31	797.36	-23.74	-23.74	740.4	0	0	0

8. Major Reservoir Particulars

RESERVOIR	Parameters			Present Parameters		LAST YEAR		LAST DAY	
	MDDL (Mts)	FRL (Mts)	Energy Content at FRL	Level (Mts)	Energy (MU)	Level (Mts)	Energy (MU)	Inflow (m3/s)	Usage (m3/s)
Bhakra	445.62	513.59	1,728.8	499.74	1,088	502.44	1,193	242.48	328.14
Chamera-I	748.75	760	753.95	757.99	-	-	-	120.57	137.28
Gandhisagar	381	399.9	725	-	-	-	-	-	0
Jawahar Sagar	295.78	298.7	2.01	-	-	-	-	-	0
Koteshwar	598.5	612.5	610.73	611.22	5	610.69	5	224	230.01
Pong	384.05	426.72	1,084	416.77	743	413.52	622	163.33	273.43
RPS	343.81	352.8	175.66	-	-	-	-	-	0
RSD	487.91	527.91	390.3	514.34	259	514.79	269	235.23	124.42
Rihand	252.98	268.22	860.5	-	-	-	-	-	0
Tehri	740.04	829.79	1,291.49	807.49	753	806.89	741	66.47	224
TOTAL	-	-	-	-	2,848	-	2,830	1,052.08	1,317.28

9. System Reliability Indices (Violation of TTC and ATC):

(i)%age of times N-1 Criteria was violated in the inter - regional corridors	
WR	0
ER	0
Simultaneous	0

ii)%age of times ATC violated on the inter-regional corridors

WR	0
ER	0
Simultaneous	0

iii)%age of times Angular Difference on Important Buses was beyond permissible limits(40 deg.)

Rihand-Dadri	0
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10. Zero Crossing Violations

State	No. of violations(Maximum 8 in a day)	Maximum number of continuous blocks without sign change
CHANDIGARH	3	22
DELHI	1	14
HARYANA	1	15
HIMACHAL PRADESH	1	13
J&K(UT) & Ladakh(UT)	1	16
PUNJAB	1	15
RAJASTHAN	3	19
UTTAR PRADESH	1	14
UTTARAKHAND	1	24

11.Significant events (If any):

12.Grid Disturbance / Any Other Significant Event:

13.Weather Conditions :

14.Synchronisation of new generating units :

15.Synchronisation of new 220 / 400 / 765 KV lines and energising of bus //substation :

1. 33 KV Incoming feeders for solar generation, CSP-I&II first time charged at 17.06 hrs. and 17.30 hrs. respectively at Saurya Urja, Bhadla.

16.Tripping of lines in pooling stations :

17.Complete generation loss in a generating station :

Note: Data(regarding drawal,generation, shortage , inter-regional flows and reservoir levels)of the constituents filled in the report are as per last furnished data by the respective state/constituent to NRLDC.

Shift In Charge



POWER SYSTEM OPERATION CORPORATION LIMITED.
WESTERN REGIONAL LOAD DESPATCH CENTRE
DAILY OPERATION REPORT OF WESTERN REGION

Power Supply Position in Western Region For 15-Jan-2020

Date of Reporting:16-Jan-2020

1. Regional Availability/Demand:

Evening Peak (19:00) MW				Off-Peak (03:00) MW				/Day Energy(Net MU)	
मांग पूरति/ Demand Met	अभाव/Shortage	आवश्यकता/ Requirement	आवृत्ति/Freq (Hz)	मांग पूरति/ Demand Met	अभाव/Shortage	आवश्यकता/ Requirement	आवृत्ति/Freq (Hz)	मांग पूरति/Demand Met	अभाव/Shortage
43,835	0	43,835	50.07	36,261	0	36,261	50.02	1,069	0

2(A) /Load Details (/in state periphery) in MU:

राज्य/STATE	State's Control Area Generation (Net MU)						/Net SCH	/Drawal	/UI	Availability	Requirement	/ Shortage	/ Consump-tion
	तापीय/ THERMAL	जलीय/ HYDRO	पवन/ WIND	सौर/ SOLAR	अन्य/ OTHERS	कुल/TOTAL	(Net MU)	(Net MU)	(Net MU)	(Net MU)	(Net MU)	(Net MU)	(Net MU)
CHHATTISGARH	53.1	0.6	0	0.1	0	53.8	25.2	24	-1.2	77.8	77.8	0	77.8
DADRA AND NAGAR HAVELI	-	0	0	0	0	0	18	17.9	-0.1	17.9	17.9	0	17.9
DAMAN AND DIU	-	0	0	0	0	0	6.5	6.8	0.3	6.8	6.8	0	6.8
ESIL	-	0	0	0	0	0	5.6	5	-0.6	5	5	0	5
GOA	0.5	0	0	0	0	0.5	10	9.6	-0.4	10.1	10.1	0	10.1
GUJARAT	152.4	1.1	24	10.8	0.4	188.7	81.2	84.6	3.4	273.3	273.3	0	273.3
MADHYA PRADESH	85.3	14.8	4.9	3.5	1.2	109.7	131.3	127.2	-4.1	236.9	236.9	0	236.9
MAHARASHTRA	259.5	14.4	7.8	6	0	287.7	155.6	153.5	-2.1	441.2	441.2	0	441.2
Region	550.8	30.9	36.7	20.4	1.6	640.4	433.4	428.6	-4.8	1,069	1,069	0	1,069

2(B) / /State's Demand Met in MW and day energy forecast and deviation particulars

राज्य/State	Evening Peak (19:00) MW			Off-Peak (03:00) MW			/Day Energy(Net MU)	
	मांग पूरति/ Demand Met	अभाव/ Shortage	आवश्यकता/ Requirement at Evening peak	मांग पूरति/ Demand Met	अभाव/ Shortage	आवश्यकता/ Requirement at Off-Peak	पूर्वानुमान/ForeCast(MU)	वचिलन/Deviation[Forecast-Consumption] (MU)
CHHATTISGARH	3,491	0	3,491	2,775	0	2,775	73	-4.8
DADRA AND NAGAR HAVELI	732	0	732	730	0	730	18.84	0.94
DAMAN AND DIU	312	0	312	251	0	251	6.59	-0.21
ESIL	223	0	223	248	0	248	11.1	6.1
GOA	480	0	480	358	0	358	10.44	0.34
GUJARAT	12,183	0	12,183	9,078	0	9,078	280.8	7.5
MADHYA PRADESH	8,600	0	8,600	7,546	0	7,546	235.03	-1.87
MAHARASHTRA	17,814	0	17,814	15,275	0	15,275	428.81	-12.39
Region	43,835	0	43,835	36,261	0	36,261	1,064.61	-4.39

2(C) /State's Demand Met in MW (/maximum demand met and /Maximum requirement of the day details)

राज्य/State	Maximum Demand, corresponding shortage and requirement details for the day				Maximum requirement, corresponding shortage and demand details for the day			
	अधिकतम मांग पूरति/Maximum Demand Met of the day	समय/Time	अभाव/Shortage at maximum demand	आवश्यकता/Requirement at the max demand met of the day	मांग पूरति/ Demand Met at maximum requirement	बजे/Time	अभाव/Shortage at maximum Requirement	अधिकतम आवश्यकता/Maximum Requirement of the day
CHHATTISGARH	3,698	08:00	0	3,698	3,698	08:00	0	3,698
DADRA AND NAGAR HAVELI	768	17:00	0	768	768	17:00	0	768
DAMAN AND DIU	314	12:00	0	314	314	12:00	0	314
ESIL	269	02:00	0	269	269	02:00	0	269
GOA	482	20:00	0	482	482	20:00	0	482
GUJARAT	13,276	11:00	0	13,276	13,276	11:00	0	13,276
MADHYA PRADESH	13,833	10:00	0	13,833	13,833	10:00	0	13,833
MAHARASHTRA	22,351	11:00	0	22,351	22,351	11:00	0	22,351
WR	53,916	11:00	0	53,916	53,916	11:00	0	53,916

3(A) State Entities Generation:

CHHATTISGARH							
सटेशन/ Station/Constituents	स्थापित क्षमता/Inst. Capacity	19:00	03:00	Day Peak		Day Energy	AVG. MW
	(MW)	Peak MW	Off Peak MW	(MW)	Hrs	(MU)	
KORBA EAST EXT(DSPM)	500	409	368	439	00:35	10.43	435
KORBA(E)	240	183	168	184	18:01	4.21	175
KORBA(W) CSETCL	1,340	1,111	963	1,121	21:06	14.7	613
MARWA TPS	1,000	358	311	426	08:39	9.05	377
OTHER THERMAL	900	0	0	0	-	14.76	615
TOTAL THERMAL	3,980	2,061	1,810	-	-	53.15	2,215
HASDEO BANGO	120	78	0	79	20:47	0.56	23
TOTAL HYDEL	120	78	0	-	-	0.56	23
WIND	0	0	0	0	-	0	0
SOLAR	176	2	0	46	11:58	0.1	4
TOTAL CHHATTISGARH	4,276	-	-	-	-	53.81	2,242

GUJARAT							
सुटेशन/ Station/Constituents	सुथापति कषमेता/Inst. Capacity	19:00	03:00	Day Peak		Day Energy	AVG. MW
	(MW)	Peak MW	Off Peak MW	(MW)	Hrs	(MU)	
ALTPS	250	71	52	75	22:11	2.28	95
APL MUNDRA	4,620	3,272	2,010	3,396	09:56	70.76	2,948
GANDHINAGAR(GTPS)	630	165	171	183	22:11	4.11	171
KLTPS	290	28	59	78	16:55	1.39	58
SLPP	500	354	333	359	05:51	8.2	342
STPS	500	319	190	381	21:19	5.82	243
SUGEN 1	1,147.5	657	183	679	18:36	9.89	412
UKAI	1,110	672	655	859	10:09	16.42	684
WANAKBORI	2,270	166	166	217	10:01	3.92	163
DGBP	594	12	1	56	09:51	0.59	25
ESSAR POWER GAS	515	0	0	0	-	0	0
GIPCL STG	310	0	0	0	00:00	0	0
GSEC	507	0	0	0	00:00	0	0
UNOSUGEN	382.5	188	155	216	19:43	3.8	158
UTRAN STG II	375	0	0	0	00:00	0	0
OTHER THERMAL	700	0	0	0	-	25.18	1,049
TOTAL THERMAL	14,701	5,904	3,975	-	-	152.36	6,348
KADANA	240	57	0	59	09:01	0.78	33
UKAI HYDRO	300	0	0	0	00:00	0	0
OTHER HYDRO	232	0	0	0	-	0.33	14
TOTAL HYDEL	772	57	0	-	-	1.11	47
WIND	5,691	1,037	1,206	2,129	22:25	24.01	1,000
SOLAR	1,681	0	1	1,565	13:02	10.75	448
OTHER GUJARAT	1	0	0	0	-	0.41	17
TOTAL OTHERS	1	0	0	-	-	0.41	17
TOTAL GUJARAT	22,846	-	-	-	-	188.64	7,860

MADHYA PRADESH							
सुटेशन/ Station/Constituents	सुथापति कषमेता/Inst. Capacity	19:00	03:00	Day Peak		Day Energy	AVG. MW
	(MW)	Peak MW	Off Peak MW	(MW)	Hrs	(MU)	
AMARKANTAK	210	210	148	217	13:38	4.66	194
JP BINA	500	310	310	319	01:07	7.44	310
SANJAY GANDHI TPS	1,340	806	792	855	00:02	15.68	653
SATPURA II	1,330	888	708	976	08:08	7.33	305
SINGAJI	2,520	1,011	1,016	1,765	10:44	21.4	892
OTHER THERMAL	800	0	0	0	-	28.75	1,198
TOTAL THERMAL	6,700	3,225	2,974	-	-	85.26	3,552
INDIRASAGAR	1,000	127	1	1,003	10:25	5.09	212
OMKARESHWAR	520	130	0	327	05:18	3.71	155
OTHER HYDRO	1,546	0	0	0	-	6.02	251
TOTAL HYDEL	3,066	257	1	-	-	14.82	618
WIND	2,436	247	310	370	04:16	4.86	203
SOLAR	1,529	-1	-1	737	12:03	3.49	145
OTHER MADHYA PRADESH	1	0	0	0	-	1.18	49
TOTAL OTHERS	1	0	0	-	-	1.18	49
TOTAL MADHYA PRADESH	13,732	-	-	-	-	109.61	4,567

MAHARASHTRA

सुटेसन/ Station/Constituents	सुथापति कषमता/Inst. Capacity	19:00	03:00	Day Peak		Day Energy		AVG. MW
	(MW)	Peak MW	Off Peak MW	(MW)	Hrs	(MU)		
APML TIRODA	3,300	3,093	2,552	3,117	18:47	73.01		3,042
BHUSAWAL	1,210	0	0	0	00:00	0		0
CHANDRAPUR	2,920	1,865	1,926	2,028	11:26	48.54		2,023
DAHANU	500	251	187	254	06:41	5.35		223
DHARIWAL STU	300	146	146	146	00:00	3.5		146
IB AMARAVATI	1,350	0	0	0	00:00	0		0
IEPL	270	0	0	0	00:00	0		0
JAIGAD	1,200	886	992	992	03:00	24.03		1,001
KHAPARKHEDA	1,340	1,175	970	1,223	10:44	23.67		986
KORADI	2,400	986	986	986	00:00	33.66		1,403
NASIK	630	149	148	192	17:29	4.21		175
PARAS	500	329	353	459	08:32	3.51		146
PARLI	1,170	-1	0	0	03:00	-0.01		0
TROMBAY	1,430	740	504	745	12:37	9.82		409
URAN	672	103	132	133	04:52	2.85		119
OTHER THERMAL	1,000	0	0	0	-	27.34		1,139
TOTAL THERMAL	20,192	9,722	8,896	-	-	259.48		10,812
BHIRA	150	71	3	127	07:59	0.19		8
BHIRA PSS	250	0	0	0	00:00	0		0
BHIVPURI	75	47	0	47	06:35	0.83		35
GHATGHAR	250	0	-151	123	12:13	0.79		33
KHOPOLI	72	24	0	24	12:30	0.39		16
KOYNA I AND II	600	133	42	435	06:00	2.08		87
KOYNA III	320	0	0	162	13:41	1.46		61
KOYNA ST-IV	1,000	-4	-6	1,003	07:35	5.01		209
OTHER HYDRO	100	0	0	0	-	3.63		151
TOTAL HYDEL	2,817	271	-112	-	-	14.38		600
WIND	4,769	187	186	348	21:57	7.83		326
SOLAR	1,305	70	-1	34,905	13:49	6.01		250
OTHER MAHARASHTRA	1	0	0	0	-	0		0
TOTAL OTHERS	1	0	0	-	-	0		0
TOTAL MAHARASHTRA	29,084	-	-	-	-	287.7		11,988

3(B) Regional Entities Generation

ISGS

सुटेसन/ Station/Constituents	सुथापति कषमता/Inst. Capacity	19:00	03:00	Day Peak		Day Energy		AVG. MW
	(MW)	Peak MW	Off Peak MW	(MW)	Hrs	SCHD (MU)	ACT (MU)	
CGPL	4,150	3,633	2,069	3,730	18:23	75.92	74.7	3,113
GADARWARA	800	604	369	720	19:14	9.28	10.57	440
GANDHAR	657	-13	-6	14	02:36	0	-0.12	-5
KAPS	440	316	351	361	00:19	8.64	8	333
KAWAS	656.2	-6	-6	52	10:52	0	-0.13	-5
KORBA III	500	489	478	502	08:29	11.22	11.6	483
KSTPS	2,100	1,742	1,547	1,779	23:31	41.55	41.06	1,711
LARA	800	689	415	765	07:36	14.19	14.3	596
MOUDA I	1,000	413	255	461	08:30	7.1	7.04	293
MOUDA II	1,320	1,115	673	1,195	09:29	18.6	18.56	773
NSPCL	500	309	247	470	09:30	6.53	6.68	278
RGPPL	1,944	562	394	621	18:26	9.92	10.04	418
SASAN	3,960	3,796	3,777	3,863	21:31	89.22	91.04	3,793
SIPAT I	1,980	1,858	1,440	1,924	21:10	42.07	43.79	1,825
SIPAT II	1,000	924	564	975	06:27	20.89	21.35	890
SOLAPUR STPS	660	-3	-3	144	15:19	0	-0.07	-3
SSP(RBPH+CHPH)	1,450	573	133	1,152	11:09	12.55	11.08	462
TARAPUR I	320	150	149	151	06:55	3.55	3.58	149
TARAPUR II	1,080	493	494	497	14:17	11.76	11.83	493
VSTPS I	1,260	849	721	1,120	07:10	21.44	21.06	878
VSTPS II	1,000	645	498	957	07:47	13.31	13.22	551
VSTPS III	1,000	1,003	576	1,045	20:16	20.52	22.18	924
VSTPS IV	1,000	904	696	968	21:11	20.71	21.35	890
VSTPS V	500	457	252	478	08:25	9.63	9.74	406
SUB-TOTAL	30,077.2	21,502	16,083	-	-	468.6	472.45	19,686
TOTAL	30,077.2	-	-	-	-	468.6	472.45	19,686

संस्थान/ Station/Constituents	स्थापित क्षमता/ Inst. Capacity	19:00	03:00	Day Peak		Day Energy		AVG. MW
	(MW)	Peak MW	Off Peak MW	(MW)	Hrs	SCHD (MU)	ACT (MU)	
ACBIL	330	229	183	233	21:27	5.07	5.1	213
BALCO	1,200	330	206	392	22:17	7.52	7.12	297
DB POWER	1,200	655	657	1,145	10:50	18.68	18.18	758
DCPP	540	114	49	119	19:28	2.09	2.15	90
DGEN	1,200	-1	-2	-1	19:00	0	-0.04	-2
DHARIWAL CTU	300	261	181	275	18:24	5.84	5.85	244
ESSAR(MAHAN)	1,200	235	231	372	22:02	5.66	5.7	238
GMR WARORA	600	265	271	283	20:26	6.58	6.49	270
JHABUA POWER	600	286	288	487	11:55	8.82	8.31	346
JP NIGRIE	1,320	612	616	1,218	08:01	17.53	17.74	739
JPL STG-I	1,000	173	46	196	14:17	1.04	3.11	130
JPL STG-II	2,400	566	533	601	13:32	13.5	13.49	562
KSK MAHANADI	1,800	978	697	1,126	22:01	22.66	22.63	943
LANCO	600	425	308	439	14:39	8.95	9.01	375
MB POWER	1,200	956	448	1,133	20:00	18.54	18.27	761
REGL	600	0	283	534	08:06	9.92	7.45	310
REL	1,370	1,068	698	1,118	08:45	23.22	22.33	930
RKM POWER	1,440	319	189	338	17:43	6.57	6.59	275
SKS POWER	600	206	193	268	07:13	5.17	5.19	216
TRN ENERGY	600	293	227	298	17:50	6.09	6.19	258
SUB-TOTAL	20,100	7,970	6,302	-	-	193.45	190.86	7,953
TOTAL	20,100	-	-	-	-	193.45	190.86	7,953

RENEWABLE

संस्थान/ Station/Constituents	स्थापित क्षमता/ Inst. Capacity	19:00	03:00	Day Peak		Day Energy		AVG. MW
	(MW)	Peak MW	Off Peak MW	(MW)	Hrs	SCHD (MU)	ACT (MU)	
ACME SOLAR (RAMNAGAR)	250	0	0	217	12:14	1.3	1.27	53
ARINSUN SOLAR (BARSAITADESH)	250	0	0	205	13:18	1.31	1.16	48
MAHINDRA SOLAR (BADWAR)	235	0	-1	214	12:12	1.13	1.25	52
RENEW WIND (BHUVAD)	185	55	8	175	22:21	1.07	1.3	54
GIWEL-II WIND (VADVA)	180.6	99	10	183	23:34	1.11	1.51	63
GIWEL-III WIND (NARANPAR)	176.4	124	8	174	23:34	1.2	1.49	62
IWISL WIND (DAYAPAR)	150	17	20	59	22:06	0.49	0.57	24
OSTRO WIND (KUTCH)	250	92	22	214	23:55	1.57	1.76	73
TOTAL	1,677	-	-	-	-	9.18	10.31	429

REGIONAL GENERATION SUMMARY

	THERMAL GEN MU	SOLAR GEN MU	WIND GEN MU	HYDRO GEN MU	OTHER GEN MU	TOTAL GEN MU	SCHEDULE MU
ISGS	437.96	-	-	11.08	23.41	472.45	468.6
IPP	190.86	-	-	-	-	190.86	193.45
Constituents	550.8	20.4	36.7	30.9	1.6	640.4	635.6
Renewables	-	4.98	5.33	-	-	10.31	9.18
Region	1,179.62	25.38	42.03	41.98	25.01	1,314.02	1,306.83

4(A) अंतर क्षेत्रीय वनिमिष/INTER-REGIONAL EXCHANGES (Import=(+ve) /Export =(-ve))

SL.No.	Element	19:00	03:00	अधिकतम पस्पर वनिमिष/Maximum Interchange (MW)		आयात/Import in MU	नरियात/Export in MU	शुद्ध वनिमिष/NET
		(MW)	MW	आयात/Import (MW)	नरियात/Export (MW)			
EAST REGION WEST REGION // Import/Export between EAST REGION and WEST REGION								
1	220KV-KORBA-BUDIPADAR	-108	-146	-	-169	0	-2.99	-2.99
2	220KV-RAIGARH-BUDIPADAR	56	36	96	0	1.26	0	1.26
3	400KV-RAIGARH-JHARSUGUDA	-70	-130	236	-206	0	-0.76	-0.76
4	400KV-RAIGARH-ROURKELA	-	-	-	-	-	-	0
5	400KV-RAIGARH-STERLITE	-	-	-	-	-	-	0
6	400KV-SIPAT-RANCHI	-166	-116	4	-263	0	-2.95	-2.95
7	765KV-DHARJAYGARH-JHARSUGUDA	-613	-1,059	-	-1,174	0	-17.81	-17.81
8	765KV-DHARJAYGARH-RANCHI	-482	-304	-	-733	0	-8.55	-8.55
9	765KV-RAIPUR-PS (DURG)-JHARSUGUDA	27	-108	211	-119	0.62	0	0.62
Sub-Total EAST REGION		-1,356	-1,827	547	-2,664	1.88	-33.06	-31.18
NORTH REGION WEST REGION // Import/Export between NORTH REGION and WEST REGION								
1	132KV-GWALIOR-SAWAI MADHOPUR	-	-	-	-	-	-	0
2	220KV-BHANPURA-MODAK	-54	13	23	-87	0.06	-0.7	-0.64
3	220KV-BHANPURA-RANPUR	-41	15	17	-84	0.48	-0.19	0.29
4	220KV-MALANPUR-AURIYA	4	27	63	-24	0.53	-0.05	0.48
5	220KV-MEHGAON-AURIYA	37	57	123	-3	1.43	0	1.43
6	400KV-KANSARI-BHINMAL	-69	65	122	-334	0	-1.03	-1.03
7	400KV-KANSARI-KANKROLI	-18	110	136	-163	0.39	0	0.39
8	400KV-SUJALPUR-RAPP	-148	142	197	-302	0	-0.25	-0.25
9	400KV-VINDHYACHAL PS-RIHAND(III)	923	702	976	-	21.42	0	21.42
10	765KV-BANASKANTHA-CHITTORGARH	-631	138	253	-1,031	0	-7.06	-7.06
11	765KV-GWALIOR-AGRA	-2,053	-1,361	-	-2,540	0	-46.04	-46.04

12	765KV-GWALIOR-JAIPUR	-1,101	-423	-	-1,675	0	-22.51	-22.51
13	765KV-GWALIOR-ORAI	489	325	717	-	11.02	0	11.02
14	765KV-JABALPUR-ORAI	-680	-384	-	-865	0	-31.61	-31.61
15	765KV-SATNA-ORAI	-1,220	-957	-	-1,403	0	-29.17	-29.17
16	HVDC400KV-VINDYACHAL(PS)-RIHAND	92	446	449	-	7.45	0	7.45
17	HVDC500KV-MUNDRA-MOHINDARGARH	-1,452	-1,079	-	-1,459	0	-31.98	-31.98
18	HVDC800KV-CHAMPA-KURUKSHETRA	-1,350	-510	-	-2,004	0	-30.74	-30.74
Sub-Total NORTH REGION		-7,272	-2,674	3,076	-11,974	42.78	-201.33	-158.55

1	220KV-KOLHAPUR-CHIKKODI-II	-	-	-	-	-	-	0
2	220KV-PONDA-AMBEWADI	1	1	1	-	0.03	0	0.03
3	220KV-TALANGADE(MS)-CHIKKODI-II	-	-	-	-	-	-	0
4	220KV-XELDEM-AMBEWADI	87	56	-	88	1.61	0	1.61
5	400KV-KOLHAPUR GIS-NARENDRA KUDGI	261	508	1,079	-	12.44	0	12.44
6	765KV-SOLAPUR-RAICHUR	-1,113	-1,008	765	-1,693	0	-15.29	-15.29
7	765KV-WARDHA-NIZAMABAD	-1,364	-1,529	-	-1,972	0	-31.25	-31.25
8	HVDC400KV-BARSUR-L.SILERU	-	-	-	-	-	-	0
9	HVDC400KV-BHADRAWATI-RAMAGUNDAM	-512	-508	-	-518	0	-12.2	-12.2
Sub-Total SOUTH REGION		-2,640	-2,480	1,845	-4,095	14.08	-58.74	-44.66
TOTAL IR EXCHANGE		-11,268	-6,981	5,468	-18,733	58.74	-293.13	-234.39

4(B) Inter Regional Schedule & Actual Exchange (Import=(+ve) /Export =(-ve)) in MU

	JSGS/(LT+MT) शैड्यूल/Schedule	BILT शैड्यूल/Schedule	PX शैड्यूल/Schedule	Total IR कुल शैड्यूल/Schedule	Total IR वास्तविक/Actual	NET IR UI
WR-SR	-60.11	-7.81	3.2	-64.72	-44.66	20.06
WR-NR	-146.21	16.58	-19.17	-148.8	-158.55	-9.75
WR-ER*	4.8	-5.52	-17.5	-18.22	-31.18	-12.96
Total	-201.52	3.25	-33.47	-231.74	-234.39	-2.65

* Bangladesh schedule MU from WR = 1.77 MU

5.Frequency Profile

RANGE(Hz)	< 48.8	< 49	< 49.2	< 49.5	< 49.7	< 49.9	>= 49.9 - <= 50.05	> 50.05
%	.00	.00	.00	.00	.00	2.00	76.20	21.80
Percentage of Time Frequency Remained outside IEGC Band						23.8		
No. of hours frequency outside IEGC Band						5.712		

अधिकतम /Maximum		न्यूनतम/Minimum		औसत/Average Frequency	Freq Variation Index	Standard Deviation	Freq. in 15 mnt blk	
Frequency	Time	Frequency	Time				Max.	Min.
50.23	12:03:10	49.82	22:08:10	50.02	0.028	0.05	50.09	49.94

6.वोल्टेज प्रोफाइल/Voltage Profile: 400kV

STATION	अधिकतम/Maximum		न्यूनतम/Minimum		वर्धित/वोल्टेज (in %)			Hours Voltage Outside IEGC Range(VDI)
	VOLTAGE	TIME	VOLTAGE	TIME	< 380	IEGC Band (A)	> 420	
AMRELI - 400KV	420.44	23:46	409.16	07:45	0	91.9	8.1	1.9
ASOJ - 400KV	421.34	04:02	404.52	07:47	0	98.6	1.4	.3
BHLAI - 400KV	422.37	03:51	413.03	07:43	0	75.4	24.6	5.9
BHOPAL - 400KV	418.24	21:27	400.15	08:26	0	100	0	0
BOISAR - 400KV	422.63	21:35	404.46	10:59	0	90	10	2.4
DEHGAM - 400KV	425.98	04:02	408.43	07:47	0	73.3	26.7	6.4
DHULE - 400KV	438.01	20:06	405.75	05:33	0	32.2	67.8	16.3
DAMOH - 400KV	427.89	21:48	407.95	09:07	0	41.2	58.8	14.1
GPEC - 400KV	435.74	04:02	418.95	10:57	0	4.1	95.9	23
GWALIOR - 400KV	415.35	15:06	394.63	06:11	0	100	0	0
HAZIRA - 400KV	424.99	03:24	403.95	07:40	0	90.8	9.2	2.2
INDORE - 400KV	419.69	20:04	399.67	08:36	0	100	0	0
ITARSI - 400KV	415.59	21:15	397.43	08:22	0	100	0	0
JETPUR - 400KV	416.41	02:03	404.08	07:47	0	100	0	0
KALA - 400KV	425.96	04:00	403.2	11:01	0	77.8	22.2	5.3
KALWA - 400KV	435.23	03:24	403.64	10:57	0	39.8	60.2	14.4
KARAD - 400KV	427.75	18:02	409.15	10:22	0	34.4	65.6	15.7
KASOR - 400KV	426.09	13:32	408.46	07:46	0	97.6	2.4	.6
KHANDWA - 400KV	422.63	19:40	404.46	07:45	0	86.6	13.4	3.2
MAGARWADA - 400KV	430.67	04:01	406.71	11:07	0	49.7	50.3	12.1
MAPUSA - 400KV	424.38	04:02	399.19	10:15	0	70.6	29.4	7.1
NAGDA - 400KV	421.8	20:04	399.71	08:36	0	92.8	7.2	1.7
NEW KOYNA - 400KV	428.47	18:03	411.66	10:55	0	25.1	74.9	18
PARLI - 400KV	422.09	03:00	399.61	10:16	0	78.3	21.7	5.2
RAIPUR - 400KV	426.8	02:29	418.01	10:15	0	22.8	77.2	18.5
RAIGARH - 400KV	428.58	02:30	419.89	07:32	0	.1	99.9	24
VAPI - 400KV	424.97	04:02	401.53	10:59	0	80.8	19.2	4.6
WARDHA - 400KV	423.68	21:44	411.01	07:31	0	51.3	48.7	11.7

6.1 Voltage Profile: 765kV

	/Maximum	/Minimum	/Voltage (in %)	Hours Voltage Outside IEGC Range(VDI)
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STATION	VOLTAGE	TIME	VOLTAGE	TIME	< 728	IEGC Band (A)	> 800	(100-A)*24/100
BINA - 765KV	791.98	14:01	763.33	08:34	0	100	0	0
DURG - 765KV	782.48	00:00	773.27	10:00	0	100	0	0
GWALIOR - 765KV	795.67	14:07	763.07	08:21	0	100	0	0
INDORE - 765KV	797.56	12:02	752.76	06:12	0	100	0	0
KOTRA - 765KV	795.11	04:01	776.87	09:18	0	100	0	0
SASAN - 765KV	778.91	04:00	761.88	08:24	0	100	0	0
SATNA - 765KV	788.2	01:23	762.19	08:24	0	100	0	0
SEONI - 765KV	793	04:00	765	07:30	0	100	0	0
SIPAT - 765KV	783.41	03:28	767.82	07:31	0	100	0	0
TAMNAR - 765KV	794.28	04:02	778.81	08:40	0	100	0	0
VADODARA - 765KV	798.18	13:02	766.67	07:48	0	100	0	0
WARDHA - 765KV	793.15	18:02	765.3	07:48	0	100	0	0

7(A).Power Energy/Schedule Details

State	Off- Peak Hours (03:00)			Peak Hours (19:00)			Day Energy (MU)			
	Bilateral (MW)	IEX (MW)	PXIL (MW)	Bilateral (MW)	IEX (MW)	PXIL (MW)	ISGS+LT+MT	Bilateral	PX	Total
CHHATTISGARH	67.18	-59.25	0	67.18	-98.81	0	32.88	-5.2	-2.45	25.23
DADRA AND NAGAR HAVELI	98.32	165.18	0	98.32	0	0	13.43	1.47	3.09	18
DAMAN AND DIU	0	9.91	0	0	84.21	0	5.62	0	0.84	6.46
ESIL	232.8	0	0	232.8	0	0	0	5.59	0	5.59
GOA	51.23	0	0	44.35	84.56	0	8.67	1.62	-0.28	10.01
GUJARAT	-142.84	125.77	0	-142.84	419.23	0	76.32	-2.69	7.62	81.24
MADHYA PRADESH	620.02	-288.6	0	221.93	-743.13	0	118.89	25.9	-13.45	131.34
MAHARASHTRA	15.28	384.47	0	13.79	576.12	0	130.09	0.27	25.27	155.62

7(B).Power Energy/Schedule Details

State	ISGS+LT+MT (MW)		Bilateral (MW)		IEX (MW)		PXIL (MW)	
	/Maximum	/Minimum	/Maximum	/Minimum	/Maximum	/Minimum	/Maximum	/Minimum
CHHATTISGARH	1,744.31	1,040.74	67.18	-522.76	431.1	-758.24	0	0
DADRA AND NAGAR HAVELI	594.84	325.44	98.32	24.58	282.18	0	0	0
DAMAN AND DIU	257.4	185.7	0	0	108.98	9.91	0	0
ESIL	0	0	232.8	232.8	0	0	0	0
GOA	370.22	293.4	114.12	44.35	84.56	-93.4	0	0
GUJARAT	5,132.14	3,261.11	54.21	-158.06	787.5	-342.74	0	0
MADHYA PRADESH	5,216.88	2,749.78	2,067.56	168.38	-286.58	-1,405.16	0	0
MAHARASHTRA	5,486.23	4,566.52	15.6	-56.83	2,112.76	257.67	0	0

8.Significant events (If any):

9.System Constraints (If any)

10. Weather Condition:

Shift In Charge



POWER SYSTEM OPERATION CORPORATION LIMITED
EASTERN REGIONAL LOAD DESPATCH CENTRE
DAILY OPERATION REPORT OF EASTERN REGION

Power Supply Position in EASTERN Region For 15-Jan-2020

Date of Reporting:16-Jan-2020

1. Regional Availability/Demand:

Evening Peak (18:00) MW				Off-Peak (14:00) MW				Day Energy(Net MU)	
Demand Met	Shortage(-)/Surplus(+)	Requirement	Freq (Hz)	Demand Met	Shortage(-)/Surplus(+)	Requirement	Freq (Hz)	Demand Met	Shortage (-ve)
17939	0	17939	50.11	13425	0	13425	50.1	350.99	0

2(A)State's Load Deals (At State Periphery) in MUs:

STATE	State's Control Area Generation (Net MU)							Net SCH (Net Mu)	Drawal (Net Mu)	UI (Net Mu)	Availability (Net MU)	Require- ment (Net MU)	Shortage (- ve) (Net MU)	Consum- ption (Net MU)
	THERMA L	HYDRO	GAS/DIESEL/ NAPHTHA	RENEW- ABLE	OTHERS	TOTAL	Units under							
BIHAR	0	0	0	0.48	1.08	1.55	0	79.21	79.14	-0.07	82.55	80.76	0	80.69
DVC	98.05	0.18	0	0	0	98.23	0	-33.99	-33.75	0.24	64.23	64.24	0	64.48
JHARKHAND	7.56	0	0	0	1.85	9.41	0	15.87	15.49	-0.38	21.41	25.28	0	24.9
ODISHA	33.6	13.05	0	0.89	14.27	61.81	0	5.33	5.99	0.66	68.81	67.14	0	67.8
SIKKIM	0	0	0	0	0	0	0	1.73	1.89	0.16	2	1.73	0	1.89
WEST BENGAL	73.7	5.44	0	0	11.86	91	0	20.64	20.23	-0.41	114	111.64	0	111.23
Region	212.91	18.67	0	1.37	29.06	262	0	88.79	88.99	0.2	353	350.79	0	350.99

2(B)State's Demand Met in MWs and day energy forecast and deviation particulars

State	Evening Peak (18:00) MW			Off-Peak (14:00) MW			Day Energy(Net MU)	
	Demand Met	Shortage(-)/Surplus(+)	Requirement at Evening peak	Demand Met	Shortage(-)/Surplus(+)	Requirement at Off-Peak	ForeCast(mus)	Deviation[Forecast -Consumption] (mus)
BIHAR	4470	0	4470	2584	0	2584		-80.693
DVC	3010	0	3010	2548	0	2548		-64.4793
JHARKHAND	1372	0	1372	905	0	905		-24.899
ODISHA	2685	0	2685	2505	0	2505		-67.804
SIKKIM	116	0	116	80	0	80		-1.89
WEST BENGAL	6286	0	6286	4803	0	4803		-111.2273
Region	17939	0	17939	13425	0	13425	0	-350.9926

2(C)State's Demand Met in MWs (maximum demand met and Maximum requirement of the day details)

State	Maximum Demand, corresponding shortage and requirement details for the day			
	Maximum Demand Met of the day	Time	Shortage(-)/Surplus(+) during at maximum demand	Requirement at the max demand met of the day
BIHAR	4470	18:00	0	4470
DVC	3188	19:15	0	3188
JHARKHAND	1372	18:00	0	1372
ORISSA	3836	08:55	0	3836
SIKKIM	128	08:12	0	128
WEST BENGAL	6286	18:00	0	6286
Region	18199	18:59	N/A	18199

3(A) State Entities Generation:

Station/Constituents	Inst. Capacity	18:00	14:00	Day Peak		Day Energy	AVG. MW
	(MW)	Peak MW	Off Peak MW	(MW)	Hrs	(MU)	
BARAUNI TPS (2 * 110)	220	0	0	0		0	0
MUZAFFARPUR TPS (2 * 110)	220	0	0	0		0	0
Total THERMAL	440	0	0			0	0
DEHRI & OTHERS (1 * 13.3 + 7 * 1.65)	24.85						
KOSI (4 * 5)	20						
Total HYDEL	44.85	0	0			0	0
SOLAR	0					0.48	20
BIHAR SUGAR MILL(1 * 14)	14					1.08	45
Total OTHERs	14	0	0			1.08	45
Total BIHAR	498.85	0	0			1.56	65

Station/Constituents	Inst. Capacity	18:00	14:00	Day Peak		Day Energy	AVG. MW
	(MW)	Peak MW	Off Peak MW	(MW)	Hrs	(MU)	
TENUGHAT (2 * 210)	420	310	310	310	00:00	7.56	315
Total THERMAL	420	310	310			7.56	315
SUBARNREKHA HPS (2 * 65)	130	0	0	0		0	0
Total HYDEL	130	0	0			0	0
OTHER CPP_IMPORT	0					1.85	77
Total CPP_IMPORT	0	0	0			1.85	77
Total JHARKHAND	550	310	310			9.41	392

Station/Constituents	Inst. Capacity	18:00	14:00	Day Peak		Day Energy	AVG. MW
	(MW)	Peak MW	Off Peak MW	(MW)	Hrs	(MU)	
BOKARO 'B' (1 * 210)	210	0	0	0		0	0
BOKARO-'A' (1 * 500)	500	488	464	493	04:57	11.14	464
CHANDRAPURA TPS (2*250)	500	450	388	470	09:31	9.82	409
DURGAPUR STPS(2 * 500)	1000	497	415	514	17:57	10.05	419
KODERMA (2 * 500)	1000	955	787	975	07:30	20.18	841
MEJIA TPS(2 * 250 + 4 * 210)	1340	831	707	850	07:46	18	750
MEJIA TPS II (2 * 500)	1000	979	746	997	20:34	19.47	811
RTPS(2 * 600)	1200	425	400	505	20:36	9.39	391
WARIA TPS(1 * 210)	210	0	0	0		0	0
Total THERMAL	6960	4625	3907			98.05	4085
MAITHON HPS (1 * 23.2 + 2 * 20)	63.2	12	0	15	22:30	0.06	3

PANCHET HPS (2 * 40)	80	32	0	33	17:56	0.09	4
TILAIYA HPS (2 * 2)	4	0	0	0		0.02	1
Total HYDEL	147.2	44	0			0.17	8
Total DVC	7107.2	4669	3907			98.22	4093

ODISHA

Station/Constituents	Inst. Capacity	18:00	14:00	Day Peak		Day Energy	AVG. MW
	(MW)	Peak MW	Off Peak MW	(MW)	Hrs	(MU)	
IB.TPS (2 * 210)	420	290	288	309	20:44	6.85	285
NAVA BHARAT VENTURES	95					0.72	30
OPGC (2 * 660)	1320	680	631	703	20:21	15.68	653
STERLITE(4 * 600)	2400	0	0	0	0	0	0
TALCHER TPS (2 * 110 + 4 * 62.5)	470	433	429	441	04:07	10.35	431
Total THERMAL	4705	1403	1348			33.6	1399
BALIMELA HPS (2 * 75 + 6 * 60)	510	313	21	363	07:48	4.22	176
BURLA HPS/HIRAKUD I (2 * 32 + 2 * 49.5 +	275.5	0	0	112	07:05	0.74	31
CHIPLIMA HPS / HIRAKUD II (3 * 24)	72	0	22	22	19:48	0.49	20
INDRAVATI (4 * 150)	600	0	0	459	07:05	3.65	152
MACHKUND(1 * 57.38)	57.38	17	17	17	00:00	0.87	36
MEENAKSHI POWER LTD(3X4 + 2X12.5)	37					0.23	10
ORISSA POWER CONSORTIUM LTD.,	20					0.18	8
SAMAL(OPCL)(4 x 5							
RENGALI HPS (5 * 50)	250	55	0	189	08:27	0.73	30
U.KOLAB (4 * 80)	320	230	0	239	20:57	1.92	80
Total HYDEL	2141.88	615	60			13.03	543
SOLAR	0					0.89	37
GMR 3(1 * 350)	350					5.81	242
OTHER CPP_IMPORT(1 * 5173)	5173	595	816	816	08:56	8.46	353
Total CPP_IMPORT	5523	595	816			14.27	595
Total ORISSA	12369.88	2613	2224			61.79	2574

WEST BENGAL

Station/Constituents	Inst. Capacity	18:00	14:00	Day Peak		Day Energy	AVG. MW
	(MW)	Peak MW	Off Peak MW	(MW)	Hrs	(MU)	
BAKRESHWAR(5 * 210)	1050	857	857	857	00:00	21.13	880
BANDEL TPS(1 * 210 + 4 * 82.5)	540	32	32	32	00:00	0.44	18
KOLAGHAT(6 * 210)	1260	154	148	195	08:07	3.36	140
SAGARDIGHI(2 * 300 + 2 * 500)	1600	1097	1002	1127	17:43	24.66	1028
SANTALDIH TPS(2 * 250)	500	502	487	517	23:19	10.76	448
TITAGARH(4 * 60)	240						
Total THERMAL	5190	2642	2526			60.35	2514
JALDHAKA HPS(2 * 4 + 3 * 9)	35	25	25	25	00:00	0.6	25
PURULLA PSP(G)(4 * 225)	900	298	0	661	11:13	3.07	128
PURULLA PSP(P)	0	0	0	0	06:31	-3.42	-143
RAMAMI(4 * 12.5)	50	14	14	15	06:15	0.33	14
TISTA CANAL(9 * 7.5)	67.5	0	0	9	00:00	0.22	9
TLDP(8 * 40)	320	221	32	223	18:25	1.22	51
Total HYDEL	1372.5	567	80			5.44	227
DPL(1 * 225 + 1 * 300)	525	172	184	210	21:37	4.01	167
HALDIA ENERGY LTD(2 * 300)	600					6.19	258
WB CPP(1 * 631)	631	325	328	341	21:02	1.66	69
Total CPP_IMPORT	1756	497	512			11.86	494
Total WEST BENGAL	8318.5	3706	3118			77.65	3235

CESC

Station/Constituents	Inst. Capacity	18:00	14:00	Day Peak		Day Energy	AVG. MW
	(MW)	Peak MW	Off Peak MW	(MW)	Hrs	(MU)	
BUDGE-BUDGE(3 * 250)	750	510	512	707	22:57	11.67	486
SOUTHERN(2 * 67.5)	135	142	124	149	17:31	1.67	70
Total THERMAL	885	652	636			13.34	556
Total CESC	885	652	636			13.34	556

SIKKIM

Station/Constituents	Inst. Capacity	N/A	N/A	Day Peak		Day Energy	AVG. MW
	(MW)	Peak MW	Off Peak MW	(MW)	Hrs	(MU)	
No Records Found							
Total	0	0	0			0	0
Total	0	0	0			0	0

3(B) Regional Entities Generation

Station/Constituents	Inst. Capacity	18:00	14:00	Day Peak		Day Energy		AVG. MW
	(MW)	Peak MW	Off Peak MW	(MW)	Hrs	SCHD (MU)	ACT (MU)	
BHUTAN IMPORT								
CHUKA(4 * 84) BIRPARA RECEIPT	336	0	0	0		0	-0.87	-36
KORICHU HPC (4 * 15) SALAKATHI (NER RECEIPT)	60	0	0	0		0	0	0
MEANGDECHHU(2 * 360) TALIKODCAK RECEIPT	720	106	106	212	11:00	2.52	2.52	105
TALA(6 * 170) BINAGURI RECEIPT	1020	97	71	111	20:18	2.39	2.38	99
Sub-Total HYDEL	2136	203	177			4.91	4.03	168
Sub-Total BHUTAN IMPORT	2136	203	177			4.91	4.03	168
ERLDC								
TALCHER_SOLAR(1* 10)	10						0.03	1
Sub-Total SOLAR	10	0	0			0	0.03	1
INFIRM								
DARLIPALLI STPP	800	0	0	0			0	0
Sub-Total THERMAL	800	0	0			0	0	0
Sub-Total INFIRM	800	0	0			0	0	0
IPP								
CHUZACHEN(2 * 49.5)	99	114	0	115	17:32	0.27	0.29	12
DIKCHU HEP(2 * 48)	96	0	0	60	10:54	0.23	0.24	10
JORETHANG(2 * 48)	96	36	0	54	17:41	0.43	0.38	16

TASHIDING(2 * 48)	96	49	0	56	01:04	0.37	0.41	17
TEESTA STG III HEP(6 * 200)	1200	0	0	1012	10:27	5.1	5.03	210
Sub-Total HYDEL	1587	199	0			6.4	6.35	265
ADHUNIK (2 * 270)	540	354	346	384	04:34	8.61	8.63	360
GKEL (2 * 350)	700	611	604	641	08:46	14.14	13.62	568
JITPL (2 * 600)	1200	517	525	538	09:25	12.55	12.47	520
MPL(2 * 525)	1050	827	553	991	08:24	16.08	16.33	680
Sub-Total THERMAL	3490	2309	2028			51.36	51.05	2128
Sub-Total IPP	5077	2508	2028			57.78	57.4	2393
NHPC								
RANGIT HPS (3 * 20)	60	41	21	42	17:19	0.48	0.51	21
TEESTA HPS (3 * 170)	510	335	0	354	06:19	2.74	2.87	120
Sub-Total HYDEL	570	376	21			3.22	3.38	141
Sub-Total NHPC	570	376	21			3.22	3.38	141
NPGC								
NSTPP	660	0	0	0		0	0	0
Sub-Total THERMAL	660	0	0			0	0	0
Sub-Total NPGC	660	0	0			0	0	0
NTPC								
BARH(2 * 660)	1320	617	434	640	18:26	11.78	11.73	489
FSTPP ST-I & II(2 * 500 + 3 * 200)	1600	1299	765	1337	10:08	23.71	23.74	989
FSTPP ST-III(1 * 500)	500	0	0	0		0.32	0	0
KBUNL(2 * 195)	390	352	198	356	18:58	5.87	5.79	241
KHSTPP ST-I(4 * 210)	840	731	561	760	06:20	15.04	15.01	625
KHSTPP ST-II(3 * 500)	1500	1363	1384	1394	10:48	28.35	28.24	1177
NABINAGAR(2 * 250)	750	666	661	692	12:59	13.84	13.91	580
TALCHER STPS - I(2 * 500)	1000	921	909	950	14:31	19.59	19.61	817
TALCHER STPS - II(4 * 500)	2000	1854	1850	1892	11:13		39.5	1646
Sub-Total THERMAL	7900	5949	4912			118.5	118.03	4918
Sub-Total NTPC	7900	5949	4912			118.5	118.03	4918
Total	17153	9036	7138			184.41	182.87	7621
Total ISGS & IPP Thermal		12850	8258	6940			169.08	7045
Total State Thermal		18600	9632	8727			212.9	8869
Total CPP Import		7279	1092	1328			27.98	1166
Total ISGS & IPP Hydro		4419	778	198			13.76	573
Total State Hydro		3836.43	1226	140			18.64	778
Renewable /Other		14					2.45	102
Net Inter Regional Exchange [Import(+ve)/Export(-ve)]			-2746	-3849			-72.75	-3031
REGIONAL TOTAL(GROSS)		46998.43	18240	13484			372.06	15502

4(A) INTER-REGIONAL EXCHANGES (Import=(+ve) /Export =(-ve))

SL.No.	Element	18:00	14:00	Maximum Interchange (MW)		Import in MU	Export in MU	NET
		(MW)	MW	Import (MW)	Export (MW)			
Import/Export between NORTH REGION and EAST REGION								
1	132KV-GARWAH-RIHAND	30	30	30		0.66	0	0.66
2	132KV-KARMANASA-CHANDAULI	0	0	0	0	0	0	0
3	132KV-KARMANASA-SAHUPURI	0	0	0		0	0	0
4	132KV-SONENAGAR-RIHAND					0	0	0
5	220KV-PUSAULI-SAHUPURI	-131	-93	-140		0	-2.48	-2.48
6	400KV-BIHARSARIFF-BALIA	-236	-336	-451		0	-5.89	-5.89
7	400KV-BIHARSARIFF-VARANASI	-144	-124	134	-291	0	-1.64	-1.64
8	400KV-MOTIHARI-GORAKHPUR	-3	-4	0	-5	0	0	0
9	400KV-MUZAFFARPUR-GORAKHPUR	-284	-482	-780		0	-8.98	-8.98
10	400KV-PATNA-BALIA	-464	-572	-709		0	-12.34	-12.34
11	400KV-PUSAULI-VARANASI	-215	-190	-235		0	-4.83	-4.83
12	400KV-SASARAM-ALLAHABAD	-94	-118	-152		0	-2.47	-2.47
13	765KV-GAYA-BALIA	-292	-346	-419		0	-6.89	-6.89
14	765KV-GAYA-VARANASI	-328	-503	-787		0	-9.29	-9.29
15	765KV-SASARAM-FATEHPUR	-110	-238	71	-363	0	-3.3	-3.3
16	HVDC SASARAM	-294	-296	-299		0	-7.46	-7.46
17	HVDC500KV-ALIPURDUAR-AGRA	0	0	0		0	0	0
	Sub-Total NORTH REGION	-2271	-2976	235	-4332	0.66	-58.11	-57.45
Import/Export between NORTH_EAST REGION and EAST REGION								
1	132KV-DEOTHANG-RANGIA					0.23	0	0.23
2	132KV-GEYLEGPHU-SALAKATI					0.35	0	0.35
3	220KV-ALIPURDUAR-SALAKATI	-4	41	55	-29	0.58	0	0.58
4	400KV-ALIPURDUAR-BONGAIGAON	71	189	274	-68	3.46	0	3.46
5	400KV-BINAGURI-BONGAIGAON	19	148	226	-98	2.89	0	2.89
	Sub-Total NORTH_EAST REGION	86	378	555	-195	7.51	0	7.51
Import/Export between SOUTH REGION and EAST REGION								
1	220KV-BALIMELA-UPPER-SILERRU	1	1	1		0	0	0
2	765KV-ANGUL-SRIKAKULAM	-1753	-1074	-1896		0	-34.34	-34.34
3	GAZUWAKA HVDC	-691	-691	-694		0	-16.15	-16.15
4	TALCHER STG-II I/C	877	-132	916	-978	0	-2.29	-2.29
5	TALCHER-KOLAR BIPOLE	-981	-1973		-1986	0	-41.78	-41.78

Sub-Total SOUTH REGION		-1566	-1896	917	-3568	0	-52.78	-52.78
Import/Export between WEST REGION and EAST REGION								
1	220KV-BUDHIPADAR-KORBA	102	143	179		2.99	0	2.99
2	220KV-BUDHIPADAR-RAIGARH	-70	-58		-97	0	-1.27	-1.27
3	400KV-JHARSUGUDA-RAIGARH	-4	104	206	-235	0.76	0	0.76
4	400KV-NEW RANCHI-SIPAT(D/C)	126	127	262	-4	3.17	0	3.17
5	765KV-JHARSUGUDA-DHARMAJAYAGARH	555	187	5602		15.91	0	15.91
6	765KV-JHARSUGUDA-RAIPUR (DURG)	-75	-142	999967	-207	0.62	0	0.62
7	765KV-NEW RANCHI-DHARMAJAYAGARH	371	284	726		7.79	0	7.79
Sub-Total WEST REGION		1005	645	1006942	-543	31.24	-1.27	29.97
TOTAL IR EXCHANGE		-2746	-3849	1008649	-8638	39.41	-112.16	-72.75

4(B) Inter Regional Schedule & Actual Exchange (Import=(+ve) /Export =(-ve)) in MU

	ISGS/(LT+MT) Schedule	BILT Schedule	PX Schedule	Total IR Schedule	Total IR Actual	NET IR UI
ER-SR	-11.79	-3.01	-16.52	-31.32	-52.78	-21.46
ER-NR	-55.68	-5.54	-9.43	-70.65	-57.45	13.2
ER-WR	-4.8	5.52	17.5	18.22	29.97	11.75
ER-NER	-4.45	-3.01	3.45	-4.01	7.51	11.52
Total	-76.72	-6.04	-5	-87.76	-72.75	15.01

5. Transnational Exchange (Import=(+ve) /Export =(-ve))

	Scheduled Energy Exchange(In MU)	Actual Energy Exchange (In MU)	Day Peak (MW)	Day Min (MW)	Day Average (MW)	Nepal Exchange	Actual Energy Exchange (In MU)	Day Peak (MW)	Day Min (MW)	Day Average (MW)
BHUTAN	5.56	4.03	573.78	0	167.92	132KV- BIHAR- NEPAL	-1.091	-131.61	-0.13	-45
NEPAL	-5.93	-6.29	-274	-206	-262.08	220KV- MUZAFFARPUR-DHALKEBAR DC	-6.29	-274	-206	-262
BANGLADESH	-7.86	-7.8	-646	-136	-325.17					

6. Frequency Profile

RANGE(Hz)	< 49.2	< 49.7	< 49.8	< 49.9	>= 49.9 - <= 50.05	>= 49.95 - <= 50.05	>= 50.05 - <= 50.1	> 50.05	> 50.2
%	0	0	0	2	76.2	68.8	18.2	21.8	2

<-----Frequency (Hz)----->

Maximum		Minimum		Average	Freq Variation	Standard	Freq. in 15 mnt blk	
Frequency	Time	Frequency	Time	Frequency	Index	Deviation	Max.	Min.
50.23	12:03:10	49.82	22:08:10	50.02	0.028	0.05	50.09	49.94

7. Voltage Profile: 400kV

STATION	Maximum		Minimum		Voltage (in %)			
	VOLTAGE	TIME	VOLTAGE	TIME	< 380	> 380 - < 420	> 420	> 430
BERHAMPORE - 400KV	416	03:01	408	10:00	0	100	0	0
BIHARSARIFF - 400KV	421	02:30	405	09:18	0	85.625	14.375	0
BINAGURI - 400KV	423	02:48	409	08:49	0	69.583	30.417	0
DURGAPUR - 400KV	414	01:50	406	08:47	0	100	0	0
JAMSHEDPUR - 400KV	417	02:50	406	08:47	0	100	0	0
JEERAT - 400KV	412	21:16	391	17:27	0	100	0	0
JEYPORE - 400KV	413	05:08	406	13:59	0	100	0	0
KODERMA - 400KV	423	02:04	412	08:37	0	62.014	27.778	0
MAITHON - 400KV	423	02:50	411	09:27	0	75.069	24.931	0
MUZAFFARPUR - 400KV	415	04:02	397	09:38	0	100	0	0
RANGPO - 400KV	421	04:02	394	09:15	0	82.153	17.847	0
ROURKELA - 400KV	417	02:28	410	08:24	0	100	0	0
TEESTA - 400KV	424	03:57	398	09:07	0	70.139	29.861	0

7.1 Voltage Profile: 765kV

STATION	Maximum		Minimum		Voltage (in %)			
	VOLTAGE	TIME	VOLTAGE	TIME	< 720	< 750	> 780	> 800
ANGUL - 765KV	792	02:03	774	07:12	0	0	83.681	0
GAYA - 765KV	790	02:58	762	09:18	0	0	50.486	0
JHARSUGUDA - 765KV	802	04:02	784	10:50	0	0	100	7.153
NEW RANCHI - 765KV	791	02:04	772	10:54	0	0	80.556	0
SASARAM - 765KV	780	15:07	751	08:56	0	0	0	0

8(A). Short-Term Open Access Details:

State	Off- Peak Hours (No Selected Date)			Peak Hours (No Selected Date)			Day Energy (MU)			
	Bilateral (MW)	IEX (MW)	PXIL (MW)	Bilateral (MW)	IEX (MW)	PXIL (MW)	ISGS/(LT+MT) Schedule	BILT Schedule	PX Schedule	Total (MU)
BIHAR	101.83	-108	0	503.53	938.5	0	65.87	6.77	6.57	79.21
DVC	-201.2	0	0	-201.2	0	0	-29.04	-4.83	-0.12	-33.99
JHARKHAND	185.73	-80.57	0	185.73	49.52	0	12.49	4.46	-1.08	15.87
ODISHA	-189.07	-464	0	-189.07	-169.02	0	16.14	-4.94	-5.86	5.33
SIKKIM	29.86	-32.39	0	0	-28.34	0	2.01	0.21	-0.5	1.73
WEST BENGAL	-437.88	297.87	0	44.36	530.21	0	24.42	-4.96	1.19	20.64

8(B). Short-Term Open Access Details

State	ISGS/(LT+MT) Schedule		Bilateral (MW)		IEX (MW)		PXIL (MW)	
	Maximum	Minimum	Maximum	Minimum	Maximum	Minimum	Maximum	Minimum
BIHAR	2948.54	2416.13	552.93	101.83	973.08	-208.97	0	0
DVC	-706.95	-1678.62	-201.2	-201.2	0	-50.36	0	0
JHARKHAND	641.78	419.18	185.73	185.73	49.52	-161.14	0	0

ODISHA	968	238.93	-189.07	-260.51	46.49	-652.1	0	0
SIKKIM	127.29	42.99	29.86	0	0	-49.6	0	0
WEST BENGAL	1307.2	623.07	44.36	-437.88	535.17	-565.46	0	0

9. System Reliability Indices (Violation of TTC and ATC)

(i) % age of times N-1 Criteria was violated in the inter - regional corridors

400KV-BANKA-KAHALGAON	
400KV-MPL-MAITHON	

(ii) % age of times ATC violated on the inter-regional corridors

	EXPORT	IMPORT
SR		
NR		
WR		
NER		

10. Significant events (If any):

11. System Constraints (If any)

12. Weather Condition:

Shift In Charge



POWER SYSTEM OPERATION CORPORATION LIMITED.
NORTH EASTERN REGIONAL LOAD DESPATCH CENTRE
DAILY OPERATION REPORT OF NORTH EASTERN REGION

Power Supply Position in NORTH EASTERN Region For 15-Jan-2020

Date of Reporting:16-Jan-2020

1. Regional Availability/Demand:

Evening Peak (19:00) MW				Off-Peak (03:00) MW				Day Energy(Net MU)	
Demand Met	Shortage	Requirement	Freq (Hz)	Demand Met	Shortage	Requirement	Freq (Hz)	Demand Met	Shortage
2275	18	2293	50.07	1232	93	1325	50.02	38.5	1.49

2(A)State's Load Deails (At State Periphery) in MUs:

STATE	State's Control Area Generation (Net MU)						TOTAL STATE	Net SCH	Drawal	UI	Availability	Demand Met	Shortage
	THERMAL	HYDRO	GAS/DIESEL/ NAPHTHA	WIND	SOLAR	OTHERS	GENERA-TION(MU)	(Net Mu)	(Net Mu)	(Net Mu)	(Net MU)	(Net MU)	(Net MU)
ARUNACHAL PRADESH	0	0.11	0	0	0	0	0.11	1.96	2.11	0.15	2.07	2.22	0.01
ASSAM	0	0.64	2.07	0	0.02	0	2.73	17.77	17.72	-0.05	20.5	20.45	0.35
MANIPUR	0	0	0	0	0	0	0	3.16	2.65	-0.51	3.16	2.65	0.01
MEGHALAYA	0	2.01	0	0	0	0	2.01	3.28	3.89	0.61	5.29	5.9	1.1
MIZORAM	0	0	0	0	0	0	0	1.65	1.34	-0.31	1.65	1.34	0.01
NAGALAND	0	0.18	0	0	0	0	0.18	2.17	1.96	-0.21	2.35	2.14	0.01
TRIPURA	0	0.11	3.45	0	0.02	0	3.58	2.5	2.27	-0.23	6.08	3.8	0
Region	0	3.05	5.52	0	0.04	0	8.61	32.49	31.94	-0.55	41.1	38.5	1.49

2(B)State's Demand Met in MWs and day energy forecast and deviation particulars

State	Evening Peak (19:00) MW			Off-Peak (03:00) MW			Day Energy(Net MU)	
	Demand Met	Shortage	Requirement at Evening peak	Demand Met	Shortage	Requirement at Off-Peak	Fore Cast (LGBR) (mus)	Deviation[Forecast(LGBR)-Consumption] (mus)
ARUNACHAL PRADESH	106	1	107	66	1	67	2.21	-0.01
ASSAM	1203	12	1215	704	0	704	22.76	2.32
MANIPUR	185	2	187	75	2	77	3.27	0.63
MEGHALAYA	355	0	355	174	88	262	6.32	0.42
MIZORAM	96	1	97	39	1	40	1.72	0.38
NAGALAND	121	2	123	60	1	61	2.37	0.23
TRIPURA	209	0	209	114	0	114	3.51	-0.29
Region	2275	18	2293	1232	93	1325	42.16	3.68

2(C)State's Demand Met in MWs (maximum demand met and Maximum requirement of the day details)

State	Maximum Demand, corresponding shortage and requirement details for the day				Maximum requirement, corresponding shortage and demand details for the day			
	Maximum Demand Met of the day	Time	Shortage during maximum demand	Requirement at max demand met of the day	Demand Met at maximum requirement	Time	Shortage during maximum Requirement	Maximum Requirement of the day
ARUNACHAL PRADESH	113	17:43	1	114	113	17:43	1	114
ASSAM	1212	18:33	10	1222	1212	18:33	10	1222
MANIPUR	218	17:46	2	220	218	17:46	2	220
MEGHALAYA	363	18:32	0	363	363	18:32	0	363
MIZORAM	101	17:46	1	102	101	17:46	1	102
NAGALAND	126	18:31	1	127	126	18:31	1	127
TRIPURA	211	18:12	1	212	211	18:12	1	212
Region	2320	18:18	15	2335	2320	18:18	15	2335

3(A) State Entities Generation:

ARUNACHAL PRADESH							
Station/Constituents	Inst. Capacity	19:00	03:00	Day Peak		Day Energy	AVG. MW
	(MW)	Peak MW	Off Peak MW	(MW)	Hrs	(MU)	
Dikshi	24	5	5	5	06:00	0.11	5
Total HYDEL	24	5	5	-	-	0.11	5
Total ARUNACHAL PRADESH	24	5	5	-	-	0.11	5

ASSAM							
Station/Constituents	Inst. Capacity	19:00	03:00	Day Peak		Day Energy	AVG. MW
	(MW)	Peak MW	Off Peak MW	(MW)	Hrs	(MU)	
Adamtilla	9	0	0	0	0	-	-
Baskandi	15.5	0	0	0	0	-	-
Total THERMAL	24.5	0	0	-	-	0	0
KLHEP	100	50	41	50	19:00	0.63	26
Mini Hydro	7	1	1	1	19:00	0.01	0
OTHER HYDEL	2.25	0	0	0	0	-	-
OTHER HYDEL	7	0	0	0	0	-	-
Total HYDEL	116.25	51	42	-	-	0.64	26
LRPP	70	51	45	51	19:00	1.12	47
LTPS	97.2	0	0	0	01:00	0	0
NTPS	99.5	43	38	43	01:00	0.94	39
Total GAS/NAPTHA/DIESEL	266.7	94	83	-	-	2.06	86
SOLAR	5	0	0	2	08:00	0.02	1
Total ASSAM	412.45	145	125	-	-	2.72	113

MEGHALAYA							
Station/Constituents	Inst. Capacity	19:00	03:00	Day Peak		Day Energy	AVG. MW
	(MW)	Peak MW	Off Peak MW	(MW)	Hrs	(MU)	
Private_Generators	105	0	0	0	07:00	0	0
OTHER THERMAL	66.15	0	0	0	0	-	-
Total THERMAL	171.15	0	0	-	-	0	0
Myndtu Leshka	126	6	0	42	21:00	0.2	8
New Umtru	40	36	0	36	14:00	0.41	17
Sonapani	1.5	1	0	1	19:00	0.01	0
Umiam St I	36	28	0	36	08:00	0.36	15
Umiam St II	20	14	0	20	08:00	0.19	8
Umiam St III	60	28	0	28	12:00	0.42	18
Umiam St IV	60	30	0	30	17:00	0.43	18
Umtru	11.2	0	0	0	0	-	-
OTHER HYDEL	1.5	0	0	0	0	-	-
Total HYDEL	356.2	143	0	-	-	2.02	84
Total MEGHALAYA	527.35	143	0	-	-	2.02	84

MIZORAM							
Station/Constituents	Inst. Capacity	19:00	03:00	Day Peak		Day Energy	AVG. MW
	(MW)	Peak MW	Off Peak MW	(MW)	Hrs	(MU)	
Bairabi	40.27	0	0	0	0	0	0
Serlui-B	12	0	0	0	0	0	0
Tuirial	60	0	0	0	0	0	0
Total HYDEL	112.27	0	0	-	-	0	0
Total MIZORAM	112.27	0	0	-	-	0	0

NAGALAND							
Station/Constituents	Inst. Capacity	19:00	03:00	Day Peak		Day Energy	AVG. MW
	(MW)	Peak MW	Off Peak MW	(MW)	Hrs	(MU)	
Likimro	24	8	8	8	20:00	0.18	8
Total HYDEL	24	8	8	-	-	0.18	8
Total NAGALAND	24	8	8	-	-	0.18	8

TRIPURA							
Station/Constituents	Inst. Capacity	19:00	03:00	Day Peak		Day Energy	AVG. MW
	(MW)	Peak MW	Off Peak MW	(MW)	Hrs	(MU)	
Gumti	15	5	5	5	19:00	0.11	5
Total HYDEL	15	5	5	-	-	0.11	5
Baramura	58.5	21	21	21	19:00	0.5	21
Monarchak(Thermal)	101	87	64	87	19:00	1.83	76
Rokhia	111	52	42	52	19:00	1.12	47
Total GAS/NAPTHA/DIESEL	270.5	160	127	-	-	3.45	144
SOLAR	5	1	0	1	19:00	0.02	1
Total TRIPURA	290.5	166	132	-	-	3.58	150

3(B) Regional Entities Generation

Station/Constituents	Inst. Capacity	19:00	03:00	Day Peak		Day Energy	AVG	Schedule	UI	RRAS
	(MW)	Peak MW	Off Peak MW	(MW)	Hrs	(MU)	(MW)	(Mu)	(MU)	Sch
NEEPCO										
AGBPP	291	249	254	257	03:00	6.1	254	5.63	0.47	-0.01
AGTCCPP	135	78	110	112	03:00	2.4	100	2.28	0.12	-0.07
Doyang	75	43	0	44	17:00	0.21	9	0.19	0.02	0
Khandong	50	40	47	47	03:00	1.1	46	1.05	0.05	0
Kopili	200	0	0	0	01:00	0	0	0	0	0
Kopili-2	25	18	0	18	18:00	0.08	3	0.07	0.01	0
Pare	110	109	0	112	17:00	0.53	22	0.52	0.01	0
Ranganadi	405	401	0	401	19:00	1.26	53	1.2	0.06	0
Sub-Total	1291	938	411	991	0	11.68	487	10.94	0.74	-0.08
NHPC										
Loktak	105	104	0	104	18:00	0.55	23	0.5	0.05	0
Sub-Total	105	104	0	104	0	0.55	23	0.5	0.05	0
NTPC										
BGTPP	750	380	387	621	08:00	10.06	419	9.8	0.26	0
Sub-Total	750	380	387	621	0	10.06	419	9.8	0.26	0
OTPCL										
Palatana	726.6	367	379	380	01:00	8.86	369	8.54	0.32	0
Sub-Total	726.6	367	379	380	0	8.86	369	8.54	0.32	0
Total	2872.6	1789	1177			31.15	1298	29.78	1.37	-0.08

Station/Constituents	Inst. Capacity	N/A	N/A	Day Peak		Day Energy	AVG. MW
	(MW)	Peak MW	Off Peak MW	(MW)	Hrs	(MU)	
Total ISGS and IPP Thermal	750	380	387			10.06	419
Total State Thermal	195.65	0	0			0	0
Total ISGS and IPP Gas	1152.6	694	743			17.36	723
Total State Gas	537.2	254	210			5.51	230
Total ISGS and IPP Hydro	970	715	47			3.73	156
Total State Hydro	647.72	212	60			3.06	128
Total Solar Generation	10	1	0			0.04	2

4(A) INTER-REGIONAL EXCHANGES (Import=(+ve) /Export =(-ve))

SL.No.	Element	19:00	03:00	Maximum Interchange (MW)		Import in MU	Export in MU	NET
		(MW)	MW	Import (MW)	Export (MW)			
Import/Export between BHUTAN and NORTH_EAST REGION								
1	132KV-RANGIA-DEOTHANG	-8	-17	4	23	-	0.23	-0.23
2	132KV-RANGIA-MOTONGA	-	-	-	-	-	-	0
3	132KV-SALAKATI-GELEPHU	-18	-12	-	20	-	0.35	-0.35
	Sub-Total BHUTAN	-26	-29	4	43	0	0.58	-0.58
Import/Export between EAST REGION and NORTH_EAST REGION								
1	220KV-SALAKATI-ALIPURDUAR-1	-6	-25	12	27	-	0.32	-0.32
2	220KV-SALAKATI-ALIPURDUAR-2	-6	-24	12	27	-	0.31	-0.31
3	400KV-BONGAIGAON-ALIPURDUAR-1	-65	-129	27	132	-	1.81	-1.81
4	400KV-BONGAIGAON-ALIPURDUAR-2	-65	-129	27	132	-	1.81	-1.81
5	400KV-BONGAIGAON-NEW SILIGURI-1	-2	-113	13	115	-	1.47	-1.47
6	400KV-BONGAIGAON-NEW SILIGURI-2	-43	-112	31	115	-	1.48	-1.48
	Sub-Total EAST REGION	-187	-532	122	548	0	7.2	-7.2
Import/Export between NORTH REGION and NORTH_EAST REGION								
1	HVDC800KV-BISWANATH CHARALI-AGRA	464	465	471	0	11.32	-	11.32
	Sub-Total NORTH REGION	464	465	471	0	11.32	0	11.32
	TOTAL IR EXCHANGE	251	-96	597	591	11.32	7.78	3.54

4(B) Inter Regional Schedule & Actual Exchange (Import=(+ve) /Export =(-ve)) in MU

	ISGS/(LT+MT) Schedule	BILT Schedule	PX Schedule	Total IR Schedule	Total IR Actual	NET IR UI
NER-ER	4.42	3.01	-3.45	3.98	3.54	-0.44
Total	4.42	3.01	-3.45	3.98	3.54	-0.44

4(C) Inter-National Exchanges with Bangladesh (Import=(+ve) /Export =(-ve)) [Linkwise]

SL.No.	Element	19:00	03:00	Maximum Interchange (MW)		Import in MU	Export in MU	NET
		(MW)	MW	Import (MW)	Export (MW)			
1	132KV-SURAJMANI NAGAR-COMILLA(BANGLADESH)-1	54	34	0	54	-	1.03	-1.03
2	132KV-SURAJMANI NAGAR-COMILLA(BANGLADESH)-2	54	34	0	54	-	1.03	-1.03
	TOTAL INT. EXCHANGE	108	68	0	108	0	2.06	-2.06

5. Frequency Profile

RANGE(Hz)	< 48.8	< 49	< 49.2	< 49.5	< 49.7	< 49.9	>= 49.9 - <= 50.05	> 50
%	0	0	0	0	0	2.04	76.16	66.28

<-----Frequency (Hz)----->

Maximum		Minimum		Average Frequency	Freq Variation Index	Standard Deviation	Freq. in 15 mnt blk	
Frequency	Time	Frequency	Time				Max.	Min.
50.23	12:03:10	49.82	22:08:10	50.02	0.028	0.05	50.09	49.94

6.Voltage Profile: 132kV

STATION	Maximum		Minimum		Voltage (in %)			
	VOLTAGE	TIME	VOLTAGE	TIME	< 110	< 120	> 135	> 145
KUMARGHAT - 132KV	136	01:45	132	07:27	0	0	31.04	0
AIZWAL - 132KV	137	03:58	128	17:38	0	0	29.76	0
KHELIEHRIAT - 132KV	137	02:04	131	07:11	0	0	31.08	0
JIRIBAM(PG) - 132KV	136	01:57	131	07:12	0	0	30.56	0
IMPAL(PG) - 132KV	138	02:00	132	16:52	0	0	58.37	0
HAFLONG - 132KV	141	06:13	132	18:55	0	0	50.1	0
BADARPUR - 132KV	138	02:00	132	17:38	0	0	42.88	0
NIRJULI - 132KV	137	21:34	129	18:36	0	0	13.78	0
KAHILIPARA - 132KV	138	02:02	131	07:50	0	0	42.53	0

6.Voltage Profile: 220kV

STATION	Maximum		Minimum		Voltage (in %)			
	VOLTAGE	TIME	VOLTAGE	TIME	< 198	< 210	> 235	> 245
SALAKATI - 220KV	232	21:41	224	08:36	0	0	0	0
DIMAPUR (PG) - 220KV	228	21:33	216	07:35	0	0	0	0
MARIANI (PG) - 220KV	236	21:41	228	07:47	0	0	4.31	0
MISA - 220KV	228	21:30	218	07:30	0	0	0	0

6.Voltage Profile: 400kV

STATION	Maximum		Minimum		Voltage (in %)			
	VOLTAGE	TIME	VOLTAGE	TIME	< 380	< 390	> 420	> 430
BgTPP - 400KV	416	21:43	402	08:36	0	0	0	0
SILCHAR - 400KV	418	00:58	403	07:29	0	0	0	0
PALATANA - 400KV	419	02:02	409	07:52	0	0	0	0
BYRNIHAT (KILLING) - 400KV	418	21:41	403	07:47	0	0	0	0
MISA - 400KV	421	21:33	402	07:23	0	0	.87	0
AZARA - 400KV	413	02:05	407	07:50	0	0	0	0
RANGANADI - 400KV	431	21:35	407	07:47	0	0	31.91	.87
BALIPARA - 400KV	421	21:33	400	07:23	0	0	.87	0
BISWANATH CHARIALI - 400KV	421	21:35	397	07:46	0	0	.73	0
BONGAIGAON - 400KV	413	21:28	402	07:25	0	0	0	0
IMPAL(PG) - 400KV	421	02:00	402	07:46	0	0	5.17	0

7.Major Reservoir Particulars

RESERVOIR	DESIGNED			PRESENT		LAST YEAR		LAST DAY	
	MDDL (Mts)	FRL (Mts)	Energy (MU)	Level (Mts)	Energy (MU)	Level (Mts)	Energy (MU)	Level (Mts)	Energy (MU)
Doyang	306	333	227	315.85	15	310.65	6	315.93	15
Gumti	83.6	93.55	0	88.75	11	91.55	22	88.8	11
Khandong	704.26	727.3	278	715.35	17	715	16	715.8	18
Kopili	592.8	609.6	1186	0	-	603.1	51	0	0
Loktak	766.2	769	448	767.75	79	767.69	74	767.75	79
Pare	240	245.15	0	243.4	-	240.9	-	243.7	-
Ranganadi	560	567	1507	565.72	-	564.48	-	565.76	-
Umium	960.12	981.43	0	972.64	22	971.84	20	972.74	22
TOTAL	-	-	3646	-	144	-	189	-	145

8. Synchronisation of new generating units :

SL.NO	Station Name	Owner	Inst. Capacity (MW)	Date	Time
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9. Synchronisation of new 220 / 400 / 132 KV Transmission elements and energising of bus /substation :

SL.NO	Station Name	Owner	Inst. Capacity (MW)	Date	Time
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10.Significant events (If any):

11.System Constraints (If any)

12. Weather Condition:

Shift In Charge



POWER SYSTEM OPERATION CORPORATION LIMITED
SOUTHERN REGIONAL LOAD DESPATCH CENTRE
DAILY OPERATION REPORT OF SOUTHERN REGION

Power Supply Position in Southern Region For 15-Jan-2020

Date of Reporting:16-Jan-2020

1. Regional Availability/Demand:

Evening Peak (19:00) MW				Off-Peak (03:00) MW				Day Energy(Net MU)	
Demand Met	Shortage(-)/Surplus(+) #	Requirement	Freq (Hz)	Demand Met	Shortage(-)/Surplus(+) #	Requirement	Freq (Hz)	Demand Met	Shortage #
33,512	50	33,462	50.03	31,887	33	31,854	50.02	892.56	0

* MW Availability indicated above includes SR ISTS Loss.

#Shortage is calculated at 50 Hz which is the sum of Load Shedding and Frequency Correction at 50 Hz

2(A)State's Load Deals (At State Periphery) in MUs:

STATE	State's Control Area Generation (Net MU)						Net SCH (Net Mu)	Drawal (Net Mu)	UI (Net Mu)	Availability (Net MU)	Demand Met (Net MU)	Shortage # (Net MU)
	THERMAL	HYDRO	GAS/DIESEL/ NAPHTHA	WIND	SOLAR	OTHERS						
ANDHRA PRADESH	66.48	5.05	9.44	7.42	7.44	1.64	59.65	58.57	-1.08	157.12	156.04	0
KARNATAKA	56.16	26.28	0	18.54	51.22	14.35	55.76	53.96	-1.8	222.31	220.51	0
KERALA	0	11.45	0	0.25	0.4	0.14	56.51	58	1.49	68.74	70.24	0
PONDICHERRY	-	-	-	-	-	-	6.21	5.73	-0.48	6.21	5.73	0
TAMILNADU	36.33	15.79	8.42	10.06	17.41	20.33	131.32	130.17	-1.15	239.67	238.52	0
TELANGANA	73.59	3.27	0	1.09	20.81	5.21	97.95	97.55	-0.4	201.92	201.52	0
Region	232.56	61.84	17.86	37.36	97.28	41.67	407.4	403.98	-3.42	895.97	892.56	0

The accuracy of shortage computation depends on timely load shedding details furnished in the web directly by constituents

2(B)State's Demand Met in MWs and day energy forecast and deviation particulars

State	Evening Peak (19:00) MW			Off-Peak (03:00) MW			Day Energy(Net MU)	
	Demand Met	Shortage(-)/Surplus(+) #	Requirement at Evening peak	Demand Met	Shortage(-)/Surplus(+) #	Requirement at Off-Peak	ForeCast (LGBR) (mus)	Deviation[Forecast(LGBR) -Consumption] (mus)
ANDHRA PRADESH	5,595	9	5,586	5,307	6	5,301	167	-10.96
KARNATAKA	7,327	11	7,316	6,885	7	6,878	226	-5.49
KERALA	3,439	4	3,435	2,463	3	2,460	69.21	1.02
PONDICHERRY	253	0	253	225	0	225	6.7	-0.97
TAMILNADU	10,226	16	10,210	9,125	10	9,115	256	-17.48
TELANGANA	6,672	10	6,662	7,882	7	7,875	202	-0.48
Region	33,512	50	33,462	31,887	33	31,854	926.91	-34.36

2(C)State's Demand Met in MWs (maximum demand met and Maximum requirement of the day details)

State	Maximum Demand, corresponding shortage and requirement details for the day				Maximum requirement, corresponding shortage and demand details for the day			
	Maximum Demand Met of the day	Time	Shortage(-)/Surplus(+) during at maximum demand	Requirement at the max demand met of the day	Demand Met at maximum requirement	Time	Shortage(-)/Surplus(+) during at maximum Requirement	Maximum Requirement of the day
AP	8,230	09:00	-9.03	8,239.03	8,230	09:00	-9.03	8,239.03
KAR	12,700	10:00	0	12,700	12,700	10:00	0	12,700
KER	3,518	18:30	0	3,518	3,518	18:30	0	3,518
PONDY	291	08:15	0	291	291	08:15	0	291
TN	11,861	08:00	0	11,861	11,861	08:00	0	11,861
TG	10,281	09:47	0	10,281	10,281	09:47	0	10,281
Region	43,502	09:24:03	-101.64	43,603.64	43,502	09:24:03	-101.64	43,603.64

3(A) State Entities Generation:

Station/Constituents	Inst. Capacity (MW)	19:00	03:00	Day Peak		Day Energy	AVG. MW
		Peak MW	Off Peak MW	(MW)	Hrs	(MU)	
HINDUJA POWER CORPORATION LTD(2 * 520)	1,040	310	315	332	01:06	6.84	285
KRISHNAPATTANAM (2 * 800)	1,600	836	865	1,107	07:31	20.21	842
RAYALASEEMA TPP(1 * 600 + 5 * 210)	1,650	475	466	499	06:41	11.35	473
VIJAYAWADA TPS(1 * 500 + 6 * 210)	1,760	1,135	1,155	1,286	07:29	28.08	1,170
OTHER THERMAL	0	0	0	0	0	-	-
Total THERMAL	6,050	2,756	2,801	-	-	66.48	2,770
HAMPI	0	0	0	0	0	-	-
LOWER SILERU(4 * 115)	460	267	6	283	08:26	2.53	105
SRISAILAM RBPH(7 * 110)	770	0	0	216	18:52	0.08	3
UPPER SILERU(4 * 60)	240	0	0	159	06:35	0.53	22
OTHER HYDEL	431	70	69	80	0	1.91	80
Total HYDEL	1,901	337	75	-	-	5.05	210
GAUTAMI CCPP(1 * 174 + 2 * 145)	464	0	0	0	0	0	0
GMR (BARG)(1 * 237)	237	0	0	0	0	0	0
JEGURUPADU (GAS)(1 * 49.9 + 1 * 75.5 + 2 * 45.8)	217	60	61	62	06:02	1.43	60
JEGURUPADU EXT.(1 * 220)	220	0	0	0	0	-	-
KONASEEMA CCPP(1 * 140 + 1 * 145 + 1 * 165)	450	0	0	0	0	0	0
LANCO (GAS)(1 * 121 + 2 * 115)	351	102	119	123	03:13	2.56	107
RELIANCE ENERGY LTD. (GAS)(1 * 140 + 1 * 80)	220	0	0	0	0	0	0
SPECTRUM (GAS)(1 * 46.8 + 1 * 68.8 + 2 * 46.1)	208	57	59	60	04:41	1.44	60
VEMAGIRI POWER GENERATION LTD.(GAS)(1 * 137 + 1 * 233)	370	0	0	0	0	0	0
VIJESWARAM GTS(1 * 112.5 + 1 * 34 + 1 * 59.5 + 2 * 33)	272	163	173	261	06:54	4.01	167
OTHER GAS/NAPHTHA/DIESEL	27	0	0	0	0	-	-

Total GAS/NAPTHA/DIESEL	3,036	382	412	-	-	9.44	394
WIND	4,179	383	249	486	06:59	7.42	309
SOLAR	2,882	0	0	1,388	09:30	7.44	310
OTHERS	619	65	67	115	00:21	1.64	68
Total AP	18,667	3,923	3,604	-	-	97.47	4,061

TELANGANA							
Station/Constituents	Inst. Capacity	19:00	03:00	Day Peak		Day Energy	AVG. MW
	(MW)	Peak MW	Off Peak MW	(MW)	Hrs	(MU)	
KAKATIYA ST1&ST2(1 * 500 + 1 * 600)	1,100	472	760	1,047	00:06	19.9	829
KOTHAGUDEM TPS(1 * 500 + 1 * 800 + 2 * 250 + 2 * 120 + 3 * 60)	2,220	1,133	1,122	1,186	09:48	27.49	1,145
RAMAGUNDAM-B(1 * 62.5)	63	0	0	46	00:00	0.42	18
SINGARENI TPS(2 * 600)	1,200	1,207	888	1,227	07:07	25.79	1,075
Total THERMAL	4,583	2,812	2,770			73.6	3,067
NAGARJUNA SAGAR(1 * 110 + 7 * 100.8)	816	0	414	678	09:12	1.76	73
NAGARJUNA SAGAR (PUMP)(1 * 110 + 7 * 100.8)	816	0	0	137	0	3.29	137
SRISAILAM LBPH(6 * 150)	900	0	712	450	03:00	0.37	15
SRISAILAM LBPH(PUMP)(6 * 150)	900	0	0	318	0	7.64	318
OTHER HYDEL	757	49	1,078	1,078	0	1.14	48
Total HYDEL	2,473	49	2,204			3.27	136
WIND	128	0	0	45	23:00	1.09	45
SOLAR	3,484	0	0	2,804	12:32	20.81	867
OTHERS	252	0	0	217	07:00	5.21	217
Total TG	10,920	2,861	4,974			103.98	4,332

KARNATAKA							
Station/Constituents	Inst. Capacity	19:00	03:00	Day Peak		Day Energy	AVG. MW
	(MW)	Peak MW	Off Peak MW	(MW)	Hrs	(MU)	
BELLARY TPS(1 * 700 + 2 * 500)	1,700	690	663	1,082	07:37	17.16	715
JINDAL (2 * 130 + 4 * 300)	1,460	0	19	360	10:42	1.28	53
RAICHUR TPS(1 * 250 + 7 * 210)	1,720	1,213	1,237	1,586	07:09	29.98	1,249
UPCL(2 * 600)	1,200	308	295	500	17:33	7.74	323
YERAMARAS TPS(2 * 800)	1,600	0	0	0	0	0	0
Total THERMAL	7,680	2,211	2,214	-	-	56.16	2,340
NAGJHERI(1 * 135 + 5 * 150)	885	438	311	443	03:38	5.78	241
SHARAVATHI(10 * 103.5)	1,035	496	194	722	15:47	9.17	382
VARAHI UGPH(4 * 115)	460	75	77	451	15:54	3.32	138
OTHER HYDEL	2,137	397	288	397	01:21	8.01	334
Total HYDEL	4,517	1,406	870	-	-	26.28	1,095
OTHER GAS/NAPTHA/DIESEL	126	0	0	0	0	-	-
Total GAS/NAPTHA/DIESEL	126	0	0	-	-	0	0
WIND	4,741	617	1,201	1,358	23:45	18.54	773
SOLAR	5,241	0	0	5,030	12:14	51.22	2,134
OTHERS	1,832	516	521	2,732	15:37	14.35	2,732
Total KAR	24,137	4,750	4,806	-	-	166.55	9,074

KERALA							
Station/Constituents	Inst. Capacity	19:00	03:00	Day Peak		Day Energy	AVG. MW
	(MW)	Peak MW	Off Peak MW	(MW)	Hrs	(MU)	
IDDUKKI(6 * 130)	780	133	81	425	22:17	3.09	129
LOWER PERIYAR (3 * 60)	180	161	2	163	19:21	0.52	22
SABARIGIRI(2 * 60 + 4 * 55)	340	274	54	278	20:32	3.15	131
OTHER HYDEL	734	323	133	323	03:23	4.69	195
Total HYDEL	2,034	891	270	-	-	11.45	477
BRAHMAPURAM DGPP (DIESEL)(3 * 21.32)	64	0	0	0	0	0	0
BSES (NAPTHA)(1 * 35.5 + 3 * 40.5)	157	0	0	0	0	0	0
KOZHICODE DPP (DIESEL)(6 * 16)	96	0	0	0	0	0	0
MPS STEEL CASTINGS(1 * 10)	10	0	0	0	0	-	-
RGCCPP KAYAMKULAM (KSEB) - NTPC(1 * 126.38 + 2 * 116.6)	360	0	0	0	0	0	0
OTHER GAS/NAPTHA/DIESEL	22	0	0	0	0	0	0
Total GAS/NAPTHA/DIESEL	709	0	0	-	-	0	0
WIND	117	0	0	10	0	0.25	10
SOLAR	150	0	0	16	0	0.4	17
OTHERS	20	0	0	6	0	0.14	6
Total KER	3,030	891	270	-	-	12.24	510

TAMIL NADU							
Station/Constituents	Inst. Capacity	19:00	03:00	Day Peak		Day Energy	AVG. MW
	(MW)	Peak MW	Off Peak MW	(MW)	Hrs	(MU)	
METTUR TPS(1 * 600 + 4 * 210)	1,440	567	583	616	17:04	13.98	583
NEYVELI-I (TN) - NLC(3 * 100 + 6 * 50)	600	261	260	284	00:01	4.47	186
NORTH CHENNAI TPS STG-II(2 * 600)	1,200	0	446	450	06:38	3.72	155
NORTH CHENNAI TPS(3 * 210)	630	246	255	300	08:14	7.2	300
ST - CMS(1 * 250)	250	0	170	257	07:33	3.56	148
TUTICORIN(5 * 210)	1,050	158	164	182	18:56	3.4	142
Total THERMAL	5,170	1,232	1,878			36.33	1,514
KADAMPARAI (4 * 100)	400	192	112	383	00:00	0.59	25
KADAMPARAI (PUMP)(4 * 100)	400	0	0	39	0	0.93	39
OTHER HYDEL	1,826	749	415	749	00:17	15.2	633
Total HYDEL	2,226	941	527			15.79	658
BASIN BRIDGE (NAPTHA)(4 * 30)	120	0	0	0	0	0	0
KOVIL KALAPPAL (GAS)(1 * 37.8 + 1 * 70)	108	41	44	45	04:07	1.02	43
KUTTALAM (GAS)(1 * 37 + 1 * 64)	101	57	53	58	17:28	1.26	53
MADURAI POWER CL (DIESEL)(1 * 106)	106	0	0	0	0	0	0
P P NALLUR (NAPTHA)(1 * 330.5)	331	0	0	0	0	0	0
SAMALPATTY (DIESEL)(7 * 15.1)	106	0	0	0	0	0	0
VALATTUR(STG1&STG2)(1 * 32 + 1 * 35 + 2 * 60)	187	93	93	157	00:21	3.76	157
OTHER GAS/NAPTHA/DIESEL	196	0	0	0	0	0	0
OTHER GAS/NAPTHA/DIESEL	166	114	101	114	00:21	2.37	99
Total GAS/NAPTHA/DIESEL	1,421	305	291			8.41	352
WIND	8,488	356	533	824	10:11	10.06	419
SOLAR	2,663	0	0	2,159	12:17	17.05	710
OTHERS	2,029	957	1,057	1,057	00:00	20.33	847
Total TN	21,997	3,791	4,286			107.97	4,500

3(B) Regional Entities Generation

ISGS							
Station/Constituents	Inst. Capacity	19:00	03:00	Day Peak		Day Energy	AVG. MW
	(MW)	Peak MW	Off Peak MW	(MW)	Hrs	(MU)	
RAMAGUNDAM(3 * 200 + 4 * 500)	2,600	1,832	1,317	2,383	07:52	40.56	1,690
KUDGI(3 * 800)	2,400	447	897	1,136	06:42	15.37	640
NEYVELI TS II(7 * 210)	1,470	1,133	920	1,350	06:27	25.3	1,054
NEYVELI TS I EXPN (2 * 210)	420	404	295	404	19:00	8.18	341
TALCHER ST2(4 * 500)	2,000	1,872	1,022	1,892	11:13	39.52	1,647
NEYVELI TS II EXPN (2 * 250)	500	244	169	401	00:00	4.1	171
SIMHADRI STAGE II(2 * 500)	1,000	538	552	910	07:16	13.8	575
NNTPS(1 * 500)	500	0	0	340	0	8.16	340
SIMHADRI STAGE I(2 * 500)	1,000	518	520	955	00:00	13.02	543
Total THERMAL	11,890	6,988	5,692	9,771	0	168.01	7,001
SOLAR(1 * 650)	650	0	0	0	0	-	-
KAIGA STG2(2 * 220)	440	411	411	423	00:07	10.14	423
MAPS(2 * 220)	440	199	218	276	13:34	4.58	191
KUDANKULAM(2 * 1000)	2,000	900	900	1,263	01:22	30.32	1,263
KAIGA STG1(2 * 220)	440	388	389	415	07:42	9.97	415
Total NUCLEAR	3,320	1,898	1,918	2,377	0	55.01	2,292
Total ISGS	15,860	8,886	7,610			223.02	9,293

JOINT VENTURE

Station/Constituents	Inst. Capacity	19:00	03:00	Day Peak		Day Energy	AVG. MW
	(MW)	Peak MW	Off Peak MW	(MW)	Hrs	(MU)	
NTPL(2 * 500)	1,000	661	514	970	07:45	15.26	636
VALLUR TPS(3 * 500)	1,500	497	775	959	00:00	14.61	609
Total THERMAL	2,500	1,158	1,289	1,929	0	29.87	1,245
Total JOINT_VENTURE	2,500	1,158	1,289			29.87	1,245

IPP UNDER OPEN ACCESS

Station/Constituents	Inst. Capacity	19:00	03:00	Day Peak		Day Energy	AVG. MW
	(MW)	Peak MW	Off Peak MW	(MW)	Hrs	(MU)	
SEIL P1(2 * 660)	1,320	1,250	1,250	1,250	00:21	26.46	1,103
COASTAL ENERGY(2 * 600)	1,200	540	301	550	00:00	9.96	415
IL&FS(2 * 600)	1,200	558	316	558	19:00	10.94	456
MEENAKSHI ENERGY LTD	350	-	-	-	-	0	0
SIMHAPURI ENERGY PVT LTD(4 * 150)	600	0	0	0	0	0	0
SEIL P2(2 * 660)	1,320	1,158	560	1,158	19:00	20.6	858
MEENAKSHI ENERGY LTD(2 * 150 + 2 * 350)	650	0	0	0	0	0	0
Total THERMAL	6,640	3,506	2,427	3,516	0	67.96	2,832
LKPPL ST3(2 * 133 + 2 * 233)	732	0	0	0	0	0	0
LKPPL ST2(1 * 133 + 1 * 233)	366	0	0	0	0	0	0
Total GAS/NAPTHA/DIESEL	1,098	0	0	0	0	0	0
Total REGIONAL_IPP	7,738	3,506	2,427			67.96	2,832

RENEWABLE							
Station/Constituents	Inst. Capacity	19:00	03:00	Day Peak		Day Energy	AVG. MW
	(MW)	Peak MW	Off Peak MW	(MW)	Hrs	(MU)	
GREEN INFRA(1 * 249.90)	250	37	37	37	19:00	0.88	37
ORANGE(1 * 200)	200	63	35	72	20:56	0.99	41
MYTRA(1 * 250)	250	53	25	54	19:50	0.72	30
Total RENEWABLE	700	153	97			2.59	108

Total ISGS IPP Thermal	21,030	11,652	9,408			265.84	
STATE THERMAL	23,483	9,011	9,663			232.57	
Total CPP Import							
Total ISGS & IPP Hydro							
HYDEL	13,151	3,624	3,946	-	-	61.84	
GAS/NAPHTHA/DIESEL	6,423	687	703	-	-	17.85	
NUCLEAR	3,320	1,898	1,919	-	-	55.01	
WIND	18,353	1,509	2,080	-	-	39.95	
SOLAR	15,070	0	0	-	-	97.28	
OTHERS	4,752	1,538	1,645	-	-	92.89	

4(A) INTER-REGIONAL EXCHANGES (Import=(+ve) /Export =(-ve))

SL.No.	Element	19:00	03:00	Maximum Interchange (MW)		Import in MU	Export in MU	NET
		(MW)	MW	Import (MW)	Export (MW)			
Import/Export between SOUTH REGION and EAST REGION								
1	220KV-LOWER_SILERU-BARSUR	-	-	-	-	-	-	-
2	220KV-UPPER_SILERU-BALIMELA	-	-	-	-	0	0	0
3	400KV-GAZUWAKA-JEYPORE	653	653	653	-	15.65	0	15.65
4	765KV-SRIKAKULAM-ANGUL	1,556	1,228	-	1,034	34.03	0	34.03
5	HVDC500KV-TALCHER-KOLAR_DC	989	1,967	1,970	-	41.78	0	41.78
Sub-Total EAST REGION		3,198	3,848	2,623	1,034	91.46	0	91.46
Import/Export between SOUTH REGION and WEST REGION								
1	220KV-AMBEWADI-XELDEM	-	-	-	-	-	-	-
2	220KV-CHIKKODI-KOHLAPUR	0	0	1	-	-	-	-
3	400KV-BHADRAVTAHI-RAMAGUNDAM	494	494	-	485	11.8	0	11.8
4	400KV-KUDGI_PG-KHOLAPUR_PG	396	518	1,109	-	0	12.53	-12.53
5	765KV-NIZAMABAD-WARDHA	1,298	1,503	1,942	-	31.34	0	31.34
6	765KV-RAICHUR_PG-SHOLAPUR	907	1,003	1,720	-	15.3	0	15.3
Sub-Total WEST REGION		3,095	3,518	4,772	485	58.44	12.53	45.91
TOTAL IR EXCHANGE		6,293	7,366	7,395	1,519	149.9	12.53	137.37

4(B) Inter Regional Schedule & Actual Exchange (Import=(+ve) /Export =(-ve)) in MU

	ISGS/(LT+MT) Schedule	BILT Schedule	PX Schedule	Total IR Schedule	Total IR Actual	NET IR UI
SR-ER	11.81	3.01	16.52	31.34	51.944	20.604
SR-WR	60.11	7.81	-3.2	64.72	45.913	-18.807
Total	71.92	10.82	13.32	96.06	97.857	1.797

5.Frequency Profile

RANGE(Hz)	< 48.8	< 49	< 49.2	< 49.5	< 49.7	< 49.9	>= 49.9 - <= 50.05	> 50	> 50.05
%	0	0	0	0	0	2.04	76.16	66.28	21.81

<-----Frequency (Hz)----->

Maximum		Minimum		Average Frequency	Freq Variation Index	Standard Deviation	Freq. in 15 mnt blk	
Frequency	Time	Frequency	Time				Max.	Min.
50.229	12:03:10	49.825	22:08:10	50.015	0.028	0.05	50.09	49.94

6.Voltage Profile: 400kV

STATION	Maximum		Minimum		Voltage (in %)			
	VOLTAGE	TIME	VOLTAGE	TIME	< 380	< 390	> 420	> 430
GHANAPUR - 400KV	419	17:46	406	07:47	0	0	0	0
GOOTY - 400KV	426	18:01	406	09:39	0	0	53.611	0
HIRIYUR - 400KV	427	18:02	406	09:37	0	0	53.75	0
KAIGA - 400KV	422	19:26	401	10:54	0	0	5.625	0
KOLAR_AC - 400KV	430	02:02	403	09:08	0	0	55	0
KUDANKULAM - 400KV	424	02:03	415	08:24	0	0	37.292	0
SHANKARAPALLY - 400KV	425	19:40	412	07:45	0	0	66.597	0
SOMANAHALLI - 400KV	424	03:01	397	09:19	0	0	15.903	0
SRIPERUMBADUR - 400KV	427	23:36	410	07:04	0	0	30.417	0
TRICHY - 400KV	414	02:01	399	08:29	0	0	0	0
TRIVANDRUM - 400KV	421	03:34	404	09:38	0	0	.347	0
VIJAYAWADA - 400KV	423	18:01	409	07:06	0	0	25.903	0

6.1 Voltage Profile: 220kV

STATION	Maximum		Minimum		Voltage (in %)			
	VOLTAGE	TIME	VOLTAGE	TIME	< 198	< 210	> 235	> 245
GHANAPUR - 220KV	236	02:01	229	07:07	0	0	23.889	0
GOOTY - 220KV	236	19:36	222	09:25	0	0	5.486	0
HIRIYUR - 220KV	243	18:02	226	11:24	0	0	60.208	0
KAIGA - 220KV	237	19:44	225	09:06	0	0	26.042	0
KOLAR_AC - 220KV	236	03:02	220	09:06	0	0	1.875	0
KUDANKULAM - 220KV	242	04:00	235	10:16	0	0	99.931	0
SOMANAHALLI - 220KV	222	23:59	206	09:07	0	20	0	0
SRIPERUMBADUR - 220KV	239	23:11	229	08:00	0	0	31.2	0

TRICHY - 220KV	237	23:54	226	08:33	0	0	31.319	0
TRIVANDRUM - 220KV	235	03:56	225	09:37	0	0	0	0
VIJAYAWADA - 220KV	241	17:31	233	09:16	0	0	76.875	0

6.2 Voltage Profile: 765kV

STATION	Maximum		Minimum		Voltage (in %)			
	VOLTAGE	TIME	VOLTAGE	TIME	< 720	< 750	> 780	> 800
KURNOOL - 765KV	796	18:01	767	06:55	0	0	67.5	0
NIZAMABAD - 765KV	804	17:47	772	05:37	0	0	87.29	2.78
RAICHUR_PG - 765KV	798	18:02	769	07:26	0	0	67.57	0
SRIKAKULAM - 765KV	798	23:30	777	07:15	0	0	93.82	0

7. Major Reservoir Particulars

RESERVOIR	DESIGNED			PRESENT		LAST YEAR		LAST DAY		MONTH	
	MDDL (Mts)	FRL (Mts)	Energy (MU)	Level (Mts)	Energy (MU)	Level (Mts)	Energy (MU)	Inflow (Mus)	Usage (Mus)	"Prog. Inflow (Mus)"	"Prog. Usage (Mus)"
NILAGIRIS	0	0	1,504	0	1,168	0	866	1.43	5.09	19.46	90.53
IDUKKI	694.94	732.43	2,148	724.75	1,569	724.72	1,566	0.18	5.3	7.3	80.66
JALAPUT	818.39	838.4	534	836.19	441	835.62	418	1.66	2.17	7.82	26.59
N.SAGAR	149.3	179.9	1,398	171.36	582	164.65	314	5.3	2.08	104.1	29.33
SRISAILAM	243.84	270.7	1,392	265.76	664	255.24	160	2.99	0.96	44.83	54.38
SUPA	495	564	3,159	557.75	2,603	552.26	2,158	0	11.15	4.94	169.72
LINGANAMAKKI	522.73	554.5	4,557	551.15	3,547	548.78	2,915	0.81	12.06	27.5	203.55
KAKKI	908.3	981.45	916	973	627	971.32	582	0.36	3.09	8.29	39.56
TOTAL	-	-	15,608	-	11,201	-	8,979	12.73	42.47	224.24	703.93

8(A). Short-Term Open Access Details:

State	Off- Peak Hours (03:00)			Peak Hours (19:00)			Day Energy (MU)			
	Bilateral (MW)	IEX (MW)	PXIL (MW)	Bilateral (MW)	IEX (MW)	PXIL (MW)	ISGS/(LT+MT) Schedule	BILT Schedule	PX Schedule	Total (MU)
AP	407.54	156.74	0	421.13	164.53	0	46.22	9.96	3.47	59.65
KARNATAKA	-26.51	128.11	-0.13	-33.38	111.08	0	55.6	-2.35	2.52	55.76
KERALA	0	222.58	0	0	209.31	0	53.2	0	3.31	56.51
PONDICHERRY	0	0	0	0	0	0	6.21	0	0	6.21
TAMILNADU	46.38	396.12	0	39.32	369.44	0	122.4	0.7	8.21	131.32
TELANGANA	175.54	1,901.89	0	182.61	252.65	0	73.74	5.25	18.96	97.95

8(B). Short-Term Open Access Details

State	ISGS/(LT+MT) Schedule		Bilateral (MW)		IEX (MW)		PXIL (MW)	
	Maximum	Minimum	Maximum	Minimum	Maximum	Minimum	Maximum	Minimum
ANDHRA PRADESH	2,857.92	626.36	421.18	407.24	357.33	0.11	0	0
KARNATAKA	3,540.97	1,036.15	395.5	26.22	131.25	47.53	0.13	0
KERALA	2,345.69	1,881.58	0	0	333.03	2.42	0	0
PONDICHERRY	345.8	218.53	0	0	0	0	0	0
TAMILNADU	6,772.99	3,667.6	224.26	11.15	409.76	191.94	0	0
TELANGANA	3,346.67	2,735.04	351.17	175.54	1,980.93	46.48	0	0

9. Synchronisation of new generating units :

SL.NO	Station Name	Owner	Inst. Capacity (MW)	Date	Time
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10. Synchronisation of new 220 / 400 / 765 KV Transmission elements and energising of bus /substation :

SL.NO	Station Name	Owner	Inst. Capacity (MW)	Date	Time
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11. Significant events (If any):

12. System Constraints (If any)

13. Weather Condition:

Shift In Charge

DATE OF REPORTING - 16.01.2020
GENERATION OUTAGE REPORT FOR -15.01.2020

NORTHERN			WESTERN			SOUTHERN			EASTERN			NORTH-EASTERN			
1. PLANNED OUTAGES															
STATION /AGENCY	No.	Capacity (MW)	STATION /AGENCY	No.	Capacity (MW)	STATION /AGENCY	No.	Capacity (MW)	STATION /AGENCY	No.	Capacity (MW)	STATION /AGENCY	No.	Capacity (MW)	TOTAL CAPACITY (MW)
Total (CS) (Forced)		266	Total (CS) (Forced)		8142	Total (CS) (Forced)		1500	Total (CS) (Forced)		1960	Total (CS) (Forced)		563	12431
STATE SECTOR															
Giral (IPP) LTFS	1	125	SLPP	4	125	YERAMARAS TPS	1	800	KOLAGHAT	3	210				
Giral (IPP) LTFS	2	125	WANAKBORI	7	210	YERAMARAS TPS	2	800	KOLAGHAT	4	210				
Bara PPGCL TFS	2	660	TROMBAY	7	180	BELLARY TPS	1	500	KOLAGHAT	5	210				
Mega TFS	1	660	URAN	6	108	HINDAL	2	130	KOLAGHAT	2	210				
Anpara-D TFS	2	500	MARWA TFS	2	500	TUTICORIN	5	210	BANDEL	5	250				
RGTPPI Khedar	1	600	SANJAY GANDHI TFS	2	210	RAYALASEEMA TPP	4	210	BOKARO B	3	210				
Lalitpur TFS	1	660	GSEG	2	78	HINDUA POWER CORPORATION LTD	2	520	RAGHUNATHPUR	1	600				
Suratgarh TFS	3	250	GSEG STG 2	1	351	METTUR TFS	1	210	MEJIA	2	210				
Raivest (IPP) LTFS	8	135	GSEG	1	78	KOTHAGUDEM TFS	12	800	MEJIA	4	210				
Kota TFS	5	210	GPCC	2	351	RAYALASEEMA TPP	2	210	WARIA	4	210				
DCRTPP (Yamuna Nagar)	2	300	DGBP 3	1	375	RAYALASEEMA TPP	1	210	MTPS ST-1	2	110				
RGTPPI Khedar	2	600	UTRAN STG II	1	375	NORTH CHENNAI TFS	1	210	MTPS ST-1	1	110				
			URAN	7	108	NORTH CHENNAI TFS STG-II	5	600	STERLITE	2	600				
			URAN B0	1	120	NEYVELLI (TN) - NLC	3	50	DSTPS	1	500				
			NASIK	5	210	RAMAGUNDAM-B	1	63							
			URAN	8	108	KAKATIYA ST1&ST2	2	600							
			WANAKBORI GIS	8	800	TUTICORIN	2	210							
			GHATGHAR	1	125										
			RATTAN INDIA POWER (A)	1	270										
			DGBP 1	2	112										
			GPEC	4	241										
			WPCL	1	135										
			KORBA(E)	4	50										
			KORBA(E)	3	50										
			IEPL	1	270										
			KORBA(E)	2	50										
			KORBA(E)	1	50										
Total (SS) (Forced)		4825	Total (SS) (Forced)		5640	Total (SS) (Forced)		6333	Total (SS) (Forced)		3850	Total (SS) (Forced)		0	20648
Total (CS+SS) (Forced)		5091	Total (CS+SS) (Forced)		13782	Total (CS+SS) (Forced)		7833	Total (CS+SS) (Forced)		5810	Total (CS+SS) (Forced)		563	33079
3. OUTAGES ON LESS DEMAND															
CENTRAL SECTOR															
Dadri-I TFS	1	210	RGPP - UNIT 2A	3	332	LKPPL ST3	2	133							
Anta GPS	4	153	KAWAS - UNIT 1B	2	106	LKPPL ST3	1	233							
Auraiya GPS	6	109	KAWAS - UNIT 1C	3	116.1	LKPPL ST3	4	133							
Dadri GPS	6	155	KAWAS - UNIT 1A	1	106	LKPPL ST3	3	233							

DATE OF REPORTING - 16.01.2020

GENERATION OUTAGE REPORT FOR -15.01.2020

NORTHERN			WESTERN			SOUTHERN			EASTERN			NORTH-EASTERN			TOTAL CAPACITY (MW)
I. PLANNED OUTAGES															
STATION /AGENCY	No.	Capacity (MW)	STATION /AGENCY	No.	Capacity (MW)	STATION /AGENCY	No.	Capacity (MW)	STATION /AGENCY	No.	Capacity (MW)	STATION /AGENCY	No.	Capacity (MW)	TOTAL CAPACITY (MW)
Total (SS) (Less demand)		5525	Total (SS) (Less demand)		8252	Total (SS) (Less demand)		2860	Total (SS) (Less demand)		0	Total (SS) (Less demand)		0	16637
Total (CS+SS) (demand)		8593	Total (CS+SS) (demand)		12918	Total (CS+SS) (demand)		7692	Total (CS+SS) (demand)		0	Total (CS+SS) (demand)		0	29202
Regional Total (Central sector)		5058	Regional Total (Central sector)		15968	Regional Total (Central sector)		7552	Regional Total (Central sector)		2620	Regional Total (Central sector)		588	31786
Regional Total (state sector)		11530	Regional Total (state sector)		18192	Regional Total (state sector)		9193	Regional Total (state sector)		4850	Regional Total (state sector)		11	43576
Regional Total -		16388			34160			16745			7470			600	75361

DATE OF REPORTING - 16.01.2020

LINE OUTAGE REPORT FOR -15.01.2020

	Name of Line	Voltage	Region	Ownership	Outage		Revival	Reason
					Date	Time		
IR LINKS								
1	BALIMELIA - U' SILERU	220	ER-SR	OPTCL/APSEB	10.03.2018	22:45	STILL OUT	LINE ANTITHEFT CHARGED FROM UPPER SILER
2	CHIKODI-MUTHSINGI S/C	220	WR-SR	MSETCL	22-07-2019	09:23	STILL OUT	MAINTENANCE WORKS
3	PONDA-AMBEWADI-1	220	WR-SR	GOA (GED)	13-06-2019	10:04	STILL OUT	TO PHYSICALLY CLIMBING THE 220 TOWERS F
4	GORAKHPUR(PG)-MOTIHARI(DMTCL) 1	400	ER-NR	POWERGRID	13-08-2019	22:04	STILL OUT	LINE SWITCHED OFF DUE TO ANTICIPATED TOW
5	GORAKHPUR(PG)-MOTIHARI(DMTCL) 2	400	ER-NR	POWERGRID	13-08-2019	22:05	STILL OUT	LINE SWITCHED OFF DUE TO ANTICIPATED TOW
6	TALA-BINAGURI-IV	400	ER-BHUTAN	POWERGRID/BHUTAN	26-11-2019	14:47	STILL OUT	S/D TAKEN BY BHUTAN
7	ALIPURDUAR-JIGMELLING I	400	ER-BHUTAN	POWERGRID/BHUTAN	05-12-2019	22:48	STILL OUT	Initially Antitheft charged from Alipurduar end at 19:59
8	TALA - BINAGURI -II	400	ER-BHUTAN	POWERGRID/BHUTAN	07-01-2020	10:28	STILL OUT	OPENED ON OVER VOLTAGE AT BHUTAN END
9	CHUKHA BIRPARA- 1	220	ER-BHUTAN	BHUTAN/PGCIL	07-01-2020	22:08	STILL OUT	VOLTAGE REGULATION(AT CHUKHA END)
10	HVDC 500KV KOLAR_DC Pole 2	500	SR	POWERGRID	10-01-2020	06:09	STILL OUT	ANNUAL MAINTENANCE
11	HVDC 500KV KOLAR_DC Pole 1	500	SR	POWERGRID	10-01-2020	07:33	STILL OUT	ANNUAL MAINTENANCE
12	800 KV HVDC Agra(PG) Pole-3	800	NR	POWERGRID	06-01-2020	22:04	STILL OUT	voltage regulation
13	800 KV HVDC Agra(PG) Pole-4	800	NR	POWERGRID	11-01-2020	21:50	STILL OUT	to change power order from agra to apd
LINES OUT IN HIGH VOLTAGE								
NR								
1	kota(pg)-merta(rs) (pg) ckt-1	400	NR	POWERGRID	08-12-2019	16:45	STILL OUT	HIGH VOLTAGE
2	800 KV HVDC Bishwanath Chariali(PG) Pole-2	800	NR	POWERGRID	01-01-2020	10:52	STILL OUT	HIGH VOLTAGE
3	800 KV HVDC Agra(PG) Pole-2	800	NR	POWERGRID	02-01-2020	0:10	STILL OUT	HIGH VOLTAGE
4	Amritsar(PG)-Malerkotla(PG) (Sekura) Ckt-1	400	NR	POWERGRID	02-01-2020	22:04	STILL OUT	HIGH VOLTAGE
5	Kheddar(HPG)-Nuhialwali(HV) (HV) Ckt-1	400	NR	HVPNL	04-01-2020	13:44	STILL OUT	HIGH VOLTAGE
6	800 KV HVDC Champa(PG) Pole-3	800	NR	POWERGRID	09-01-2020	21:13	STILL OUT	HIGH VOLTAGE
7	Muktsar-Makhu (PS) Ckt-1	400	NR	PSACL	10-01-2020	13:19	STILL OUT	HIGH VOLTAGE
8	Amritsar(PG)-Makhu(PS) (PSACL) Ckt-1	400	NR	PSACL	10-01-2020	13:31	STILL OUT	HIGH VOLTAGE
9	Rajpura-Dhuri (PS) Ckt-1	400	NR	PSACL	11-01-2020	21:39	STILL OUT	HIGH VOLTAGE
10	Kurukshetra(PG)-Nakodar(PSG) (PG) Ckt-1	400	NR	POWERGRID	12-01-2020	13:11	STILL OUT	HIGH VOLTAGE
11	Kurukshetra-Jalandhar (PG) Ckt-1	400	NR	POWERGRID	12-01-2020	15:16	STILL OUT	HIGH VOLTAGE
12	Jalandhar(PG)-Samba(PG) (NRSS XXIX) Ckt-2	400	NR	NRSS XXIX,STPL	13-01-2020	13:09	STILL OUT	HIGH VOLTAGE
13	moga-meerut (pg) ckt-1	765	NR	POWERGRID	14-01-2020	19:36	STILL OUT	HIGH VOLTAGE
14	Nakodar(PSG)-Makhu(PS) (PS) Ckt-1	400	NR	PSACL	14-01-2020	21:06	STILL OUT	HIGH VOLTAGE
15	Bhiwadi-Hissar (PG) Ckt-1	400	NR	POWERGRID	14-01-2020	21:08	STILL OUT	HIGH VOLTAGE
16	Talwandi Saboo(PSG)-Dhuri(PS) (PS) Ckt-1	400	NR	PSACL	14-01-2020	21:35	STILL OUT	HIGH VOLTAGE
17	Chamba-Jalandhar (PG) Ckt-2	400	NR	POWERGRID	15-01-2020	0:20	STILL OUT	HIGH VOLTAGE
18	Agra-Sikar (PG) Ckt-2	400	NR	POWERGRID	15-01-2020	15:07	STILL OUT	HIGH VOLTAGE
19	800 KV HVDC Kurukshetra(PG) Pole-03	800	NR	POWERGRID	15-01-2020	15:21	STILL OUT	HIGH VOLTAGE
20	Banda-Rewa Road (UP) Ckt-2	400	NR	UPPTCL	15-01-2020	17:33	STILL OUT	HIGH VOLTAGE
21	Agra-Jaipur South (PG) Ckt-2	400	NR	POWERGRID	15-01-2020	20:05	STILL OUT	HIGH VOLTAGE
22	Jodhpur-Kankani (RS) Ckt-1	400	NR	RRVPNL	15-01-2020	20:18	STILL OUT	HIGH VOLTAGE
23	Akal-Kankani (RS) Ckt-2	400	NR	RRVPNL	15-01-2020	20:20	STILL OUT	HIGH VOLTAGE
24	Kurukshetra-Jind (PG) Ckt-2	400	NR	POWERGRID	15-01-2020	20:27	STILL OUT	HIGH VOLTAGE
25	Meerut-Bhiwani (PG) Ckt-1	765	NR	POWERGRID	15-01-2020	21:10	STILL OUT	HIGH VOLTAGE
26	Amritsar-Parbati Pooling Banala (PG) Ckt-1	400	NR	POWERGRID	15-01-2020	21:15	STILL OUT	HIGH VOLTAGE
27	Lucknow 1-Shahjahanpur (PG) Ckt-2	400	NR	POWERGRID	15-01-2020	23:55	STILL OUT	HIGH VOLTAGE
28	Agra-Fatehpur (PG) Ckt-2	765	NR	POWERGRID	16-01-2020	0:13	STILL OUT	HIGH VOLTAGE
29	Baghpat-Kaithal (PG) Ckt-2	400	NR	POWERGRID	16-01-2020	2:10	STILL OUT	HIGH VOLTAGE
30	Agra Fatehabad(UP)-Lalipur(LPG) (UP) Ckt-1	765	NR	UPPTCL	16-01-2020	2:14	STILL OUT	HIGH VOLTAGE
31	Bhiwani-Hissar (PG) Ckt-1	400	NR	POWERGRID	16-01-2020	2:17	STILL OUT	HIGH VOLTAGE
32	Bhiwadi-Hissar (PG) Ckt-3	400	NR	POWERGRID	16-01-2020	2:31	STILL OUT	HIGH VOLTAGE
SR								
1	HINDUPUR-URAVAKONDA-2	400	SR	ANDHRA PRADESH	28-08-2019	18:19	STILL OUT	HIGH VOLTAGE
2	JANAGAON-JULURUPADU-2	400	SR	TELANGANA	20-11-2019	17:32	STILL OUT	HIGH VOLTAGE
3	NIRMAL-SUNDILA-2	400	SR	TSTRANSCO	20-11-2019	22:28	STILL OUT	HIGH VOLTAGE
4	TIPPAPUR-CHANDALAPUR-2	400	SR	TELANGANA	27-11-2019	01:15	STILL OUT	HIGH VOLTAGE
5	SURYAPET-KETHIREDDYPALLY-2	400	SR	TSTRANSCO	28-11-2019	00:08	STILL OUT	HIGH VOLTAGE
6	TALARCHEVU-JAMMALAMADUGU-2	400	SR	ANDHRA PRADESH	02-12-2019	20:11	STILL OUT	HIGH VOLTAGE
7	KALVENDAPATTU-PUGALUR-2	400	SR	POWERGRID	08-12-2019	22:22	STILL OUT	HIGH VOLTAGE
8	URAVAKONDA-MEHBOOBNAGAR-2	400	SR	TSTRANSCO	08-12-2019	22:27	STILL OUT	HIGH VOLTAGE

9	DICHPALLY-NIRMAL-2	400	SR	TSTRANSCO	16-12-2019	19:04	STILL OUT	HIGH VOLTAGE
10	DICHPALLY-NIRMAL-1	400	SR	TSTRANSCO	16-12-2019	19:43	STILL OUT	HIGH VOLTAGE
11	HINDUPUR-NP_KUNTA-2	400	SR	APTRANSCO	16-12-2019	20:34	STILL OUT	HIGH VOLTAGE
12	MALKARAM-SURYAPET-1	400	SR	TSTRANSCO	16-12-2019	21:32	STILL OUT	HIGH VOLTAGE
13	HINDUPUR-URAVAKONDA-1	400	SR	ANDHRA PRADESH	17-12-2019	22:55	STILL OUT	HIGH VOLTAGE
14	HINDUPUR-NP_KUNTA-1	400	SR	APTRANSCO	17-12-2019	22:55	STILL OUT	HIGH VOLTAGE
15	SURYAPET-JULURUPADU-1	400	SR	TSTRANSCO	18-12-2019	22:21	STILL OUT	HIGH VOLTAGE
16	KAYATHAR-THENAMPATTY-2	400	SR	TANTRANSCO	20-12-2019	02:22	STILL OUT	HIGH VOLTAGE
17	KTPS_VII-JULURUPADU-2	400	SR	TSTRANSCO	30-12-2019	21:37	STILL OUT	HIGH VOLTAGE
18	JANAGAON-JULURUPADU-1	400	SR	TELENGANA	05-01-2020	23:15	STILL OUT	HIGH VOLTAGE
19	SINGARENI-SUNDILA-2	400	SR	TSTRANSCO	06-01-2020	15:11	STILL OUT	HIGH VOLTAGE
20	PAVAGADA-HIRIYUR-2	400	SR	POWERGRID	06-01-2020	19:57	STILL OUT	HIGH VOLTAGE
21	KARAIKUDI-PUGALUR-1	400	SR	POWERGRID	07-01-2020	03:43	STILL OUT	HIGH VOLTAGE
22	ANAIKADAVU-THAPPUKUNDU-2	400	SR	TANTRANSCO	11-01-2020	21:57	STILL OUT	HIGH VOLTAGE
23	MAMIDAPALLI-DINDI-2	400	SR	TSTRANSCO	14-01-2020	19:22	STILL OUT	HIGH VOLTAGE
24	KARAIKUDI-KAYATHAR-2	400	SR	TANTRANSCO	15-01-2020	00:12	STILL OUT	HIGH VOLTAGE
25	CHILAKALURIPETA-CUDDAPAH-1	765	SR	POWERGRID	15-01-2020	16:48	STILL OUT	HIGH VOLTAGE
26	PAVAGADA-TUMKUR-2	400	SR	POWERGRID	15-01-2020	17:48	STILL OUT	HIGH VOLTAGE
27	NIZAMABAD-MAHESHWARAM_PG-1	765	SR	POWERGRID	15-01-2020	17:53	STILL OUT	HIGH VOLTAGE
28	CUDDAPAH-THIRUVALAM-2	765	SR	POWERGRID	15-01-2020	18:01	STILL OUT	HIGH VOLTAGE
29	SURYAPET-KV_KOTA-1	400	SR	APTRANSCO	15-01-2020	18:07	STILL OUT	HIGH VOLTAGE
30	BHOOPALAPALLY-CHANDALAPUR-2	400	SR	TELENGANA	15-01-2020	18:13	STILL OUT	HIGH VOLTAGE
31	VEMAGIRI_PG-VEMAGIRI_AP-1	400	SR	POWERGRID	15-01-2020	18:21	STILL OUT	HIGH VOLTAGE
32	PAVAGADA-HIRIYUR-1	400	SR	POWERGRID	15-01-2020	19:46	STILL OUT	HIGH VOLTAGE
33	NARENDRA-GUTTUR-2	400	SR	KPTCL	15-01-2020	19:51	STILL OUT	HIGH VOLTAGE
34	VALLUR-ALAMATHY-2	400	SR	TANTRANSCO	15-01-2020	22:44	STILL OUT	HIGH VOLTAGE
35	NELLORE_PG-SRIPERUMBADUR-2	400	SR	POWERGRID	15-01-2020	23:36	STILL OUT	HIGH VOLTAGE
36	RAMADUGU-GAJWEL-2	400	SR	TELENGANA	15-01-2020	23:49	STILL OUT	HIGH VOLTAGE
37	RASIPALYAM-ANAIKADAVU-2	400	SR	TNEB	15-01-2020	23:53	STILL OUT	HIGH VOLTAGE
38	KARAIKUDI-KAMUDHI-2	400	SR	TNEB	15-01-2020	23:55	STILL OUT	HIGH VOLTAGE
39	MAHESHWARAM_TG-MAHESHWARAM_PG-2	400	SR	POWERGRID	15-01-2020	23:56	STILL OUT	HIGH VOLTAGE
40	TIPPAPUR-JANAGAON-2	400	SR	TELENGANA	16-01-2020	00:01	STILL OUT	HIGH VOLTAGE
41	TUTICORIN_PS-DHARMAPURI-2	400	SR	POWERGRID	16-01-2020	01:04	STILL OUT	HIGH VOLTAGE
42	PALAVADI-RASIPALYAM-2	400	SR	TNEB	16-01-2020	01:15	STILL OUT	HIGH VOLTAGE
43	VTPS_IV-SURYAPET-2	400	SR	APTRANSCO	16-01-2020	02:35	STILL OUT	HIGH VOLTAGE
44	UPCL-HASSAN-2	400	SR	KARNATAKA	16-01-2020	03:00	STILL OUT	HIGH VOLTAGE

WR

1	VADINAR-BACHAU-2	400	WR	POWERGRID-WR2 (PGCIL)	08-10-2017	15:56	STILL OUT	HIGH VOLTAGE
2	BABLESHWAR-IB-NASIK-1	400	WR	Maharashtra	15-10-2019	17:54	STILL OUT	HIGH VOLTAGE
3	Kirnapur-BHILAI-1	400	WR	Chattisgarh	11-12-2019	20:08	STILL OUT	HIGH VOLTAGE
4	Pune-GIS-Solapur-1	765	WR	POWERGRID-WR1 (PGCIL)	04-01-2020	17:02	STILL OUT	HIGH VOLTAGE
5	DHARAMJAYGARH-JABALPUR-3	765	WR	JTCL-Sterlite	06-01-2020	21:42	STILL OUT	HIGH VOLTAGE
6	Wardha-RAIPUR-PS (DURG)-4	765	WR	POWERGRID-WR1 (PGCIL)	10-01-2020	20:20	STILL OUT	HIGH VOLTAGE
7	DHARAMJAYGARH-JABALPUR-2	765	WR	POWERGRID-WR1 (PGCIL)	12-01-2020	19:55	STILL OUT	HIGH VOLTAGE
8	WARDHA-RAIPUR-PS (DURG)-2	765	WR	POWERGRID-WR1 (PGCIL)	13-01-2020	20:43	STILL OUT	HIGH VOLTAGE
9	Wardha-AURANGABAD-4	765	WR	POWERGRID-WR1 (PGCIL)	13-01-2020	18:16	STILL OUT	HIGH VOLTAGE
10	HVDC 800KV CHAMPA Pole 3	800	WR	POWERGRID-WR1 (PGCIL)	15-01-2020	15:21	STILL OUT	HIGH VOLTAGE
11	DEHGAM-WANAKBORI-2	400	WR	Gujarat	15-01-2020	22:20	STILL OUT	HIGH VOLTAGE
12	SSP-RAJGARH-1	400	WR	Gujarat	15-01-2020	20:06	STILL OUT	HIGH VOLTAGE
13	BHUSAWAL-Aurangabad-M (Waluj)-1	400	WR	Maharashtra	15-01-2020	17:51	STILL OUT	HIGH VOLTAGE

ER

1	ANGUL-JHARSUGUDA-IV	765	ER	POWERGRID	07-01-2020	22:26	STILL OUT	HIGH VOLTAGE
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NER

1	400KV-BALIPARA-BONGAIGAON-4	400	NER	POWERGRID	12-01-2020	21:51	STILL OUT	HIGH VOLTAGE
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LINES UNDER FORCED OUTAGE

CENTRAL SECTOR

1	PATNA KISHANGANJ- II	400	ER	POWERGRID	06-07-2019	8:04	STILL OUT	EMERGENCY HAND TRIPPED DUE TO FRUSTUM
2	PATNA KISHANGANJ- I	400	ER	POWERGRID	01-09-2018	0:32	STILL OUT	TOWER COLLAPSE AT LOC 129, PILING DAMAGE
3	MISA-KOPILI-1	220	NER	POWERGRID	07-10-2019	04:59	STILL OUT	Details awaited
4	MISA-KOPILI-2	220	NER	POWERGRID	07-10-2019	07:32	STILL OUT	for safety of personnel at Kopili

5	MISA-KOPILI-3	220	NER	POWERGRID	07-10-2019	07:33	STILL OUT	for safety of personnel at Kopili
6	Raigarh-RAIGARH-PS-1	400	WR	POWERGRID-WR1 (PGCIL)	04-12-2019	17:51	STILL OUT	To control fault level at Kotra;idle charged at Raigarh en
7	Raigarh-RAIGARH-PS-2	400	WR	POWERGRID-WR1 (PGCIL)	04-12-2019	17:55	STILL OUT	To control fault level at Kotra;idle charged at Raigarh en
8	KORBA WEST-KORBA-NTPC-1	400	WR	POWERGRID-WR1 (PGCIL)	17-12-2019	00:12	STILL OUT	Carrier trip received at NTPC
9	RAIPUR-RAIPUR-PS (DURG)-1	400	WR	POWERGRID-WR1 (PGCIL)	15-01-2020	21:46	STILL OUT	To control the fault level Line is idle charged from Raipu
10	RAIPUR-RAIPUR-PS (DURG)-2	400	WR	POWERGRID-WR1 (PGCIL)	15-01-2020	21:47	STILL OUT	To control the fault level Line is idle charged from Raipu
11	800 KV HVDC Agra(PG) Pole-3	800	NR	POWERGRID	06-01-2020	22:04	STILL OUT	voltage regulation
12	Bareilly_2(PG)-Kashipur(UK) (PG) Ckt-1	400	NR	POWERGRID	11-01-2020	8:16	STILL OUT	Phase to earth fault B-N fault current-4.06 KA fault dist-
13	Kota(PG)-Merta(RS) (PG) Ckt-1	400	NR	POWERGRID	11-01-2020	17:30	STILL OUT	ON load management of 400 kv Anta-Kota line
14	800 KV HVDC Agra(PG) Pole-4	800	NR	POWERGRID	11-01-2020	21:50	STILL OUT	to change power order from agra to apd
15	Suratgarh(RVUN)-Ratangarh(RS) (RS) Ckt-2	400	NR	RRVPNL	14-01-2020	16:45	STILL OUT	DPS,M-1 C-Ph., Z-1, 87.40 KM,
16	Kishenpur-New Wanpoh (PG) Ckt-4	400	NR	POWERGRID	15-01-2020	19:13	STILL OUT	Phase to phase fault R-Y Due to Heavy snow fall.
17	KALPAKKA-KHAMMAM-1	400	SR	POWERGRID	14-01-2020	14:31	STILL OUT	Tripped on Y-B Fault

STATE SECTOR

1	IBEUL JHARSAGUDA D/C	400	ER	IBEUL	29-04-2018	17:30	STILL OUT	TOWER COLLAPSE AT LOC 44,45
2	BEGUSARAI-NEW PURNEA-I	220	ER	BSPTCL	13-10-2019	4:31	STILL OUT	B-N, 5.98KA, 12.6KM AT NEW PURNEA:LINE WIL
3	BEGUSARAI-NEW PURNEA-II	220	ER	BSPTCL	14-10-2019	20:26	STILL OUT	R-N, 1.93KA, 85.6KM A/R SUCCESSFUL AT NEW P
4	Nuhiawali(HV)-Fatehabad(PG) (HV) Ckt-1	400	NR	HVPNL	01-01-2020	21:25	STILL OUT	Over voltage
5	Nathpa Jhakri(SJ)-Karcham Wangtoo(JSW) (HBPCL) Ckt-1	400	NR		08-01-2020	12:01	STILL OUT	Phase to phase fault Y-B fault current= IA-6.19 KA, IB-
6	Kala Amb(PKTL)-Wangto_GIS(HP) (HPPTCL) Ckt-1	400	NR	PKATL,HPPTCL	08-01-2020	18:51	STILL OUT	Phase to phase fault Y-B fault current 7.72 kA DIST- 33
7	Banda-Orai (UP) Ckt-2	400	NR	UPPTCL	11-01-2020	2:38	STILL OUT	400kV Banda orai ckt 2 tripped due to B-phase tie cb C/
8	Suratgarh(RVUN)-Ratangarh(RS) (RS) Ckt-1	400	NR	RRVPNL	15-01-2020	8:45	STILL OUT	emergency shutdown for replacement of faulty disc insul
9	Aligarh-Mainpuri (UP) Ckt-1	400	NR	UPPTCL	15-01-2020	23:46	STILL OUT	Over voltage
10	Gr.Noida_2(UPC)-Mainpuri (UP) Ckt-1	765	NR	UPPTCL	16-01-2020	7:43	STILL OUT	Phase to phase fault R-B 86-A ,86-B and 86 LO operate
11	ATHENA-Raigarh-1	400	WR	ACPL	30-04-2016	22:02	STILL OUT	Y-PH d/dt relay operatee at Athena; provision of d/dt d
12	ATHENA-Raigarh-2	400	WR	ACPL	01-05-2016	11:46	STILL OUT	FOR TESTING AND CHECKING WORKS/ Kept out
13	BINA-BINA-NHPTL-1	765	WR	NHPTL	30-01-2019	16:00	STILL OUT	At 16:00hrs, for 75ms, FC-3.86kA, Subsequently GT fat
14	VINDHYANCHAL-III-VINDHYANCHAL-V-1	400	WR	NTPC	06-11-2019	18:17	STILL OUT	To control fault level at VSTPS
15	VINDHYANCHAL-III-VINDHYANCHAL-V-2	400	WR	NTPC	21-11-2019	18:22	STILL OUT	To control fault level at VSTPS
16	SINGAJI-PITHAMPUR-1	400	WR	Madhya Pradesh	02-06-2019	15:27	STILL OUT	tripped on B-phase fault; tower collapse reported betwe
17	SAMAGURI-SONABIL-1	220	NER	AEGCL	07-08-2018	12:14	STILL OUT	Conductor snapped
18	GAUTAMI-VEMAGIRI_AP-1	400	SR	APTRANSCO	02-01-2020	16:18	STILL OUT	SWAPPING

LINES UNDER PLANNED OUTAGE

1	BINAGURI-RANGPO-1	400	ER	POWERGRID	01-11-2019	7:17	STILL OUT	S/D AVAILED FOR RECONDUCTORING WORK TI
2	BINAGURI-RANGPO-2	400	ER	POWERGRID	01-11-2019	7:19	STILL OUT	S/D AVAILED FOR RECONDUCTORING WORK TI
3	MPL-MAITHON II	400	ER	POWERGRID	20-11-2019	8:01	STILL OUT	RECONDUCTORING WORK
4	BARH-MOTIHARI(DMTCL) -I & II	400	ER	POWERGRID/DMTCL	04-09-2019	4:36	STILL OUT	TOWER COLLAPSE AT LOCATION 26/0 AND 25
5	220 KV Rangpo Tashiding S/C	220	ER	POWERGRID	13-01-2020	12:36	STILL OUT	CB Problem at Rangpo
6	URI_2(NH)-URI_1(NH) (PG) CKT-1	400	NR	POWERGRID	13-01-2020	7:11	STILL OUT	TO RECTIFY PROBLEM IN G4 COMPARTMENT OI

STATE SECTOR

1	KARAD-Solapur-1	400	WR	Maharashtra	15-11-2017	09:40	STILL OUT	Quarterly Maint At Karad And line maint Work by Lamb
2	PANDIABILI - SAMANGARA D/C	220	ER	OPTCL	03-05-2019	11:10	STILL OUT	49 NOS OF TOWER COLLAPSED.AS REPORTED B
3	JULURUPADU-MANUGURU-1	400	SR	TELENGANA	30-10-2019	07:55	STILL OUT	replacement of damaged conductors

LINES OUT DUE TO SYSTEM CONSTRAINT(S)

CENTRAL SECTOR

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STATE SECTOR
