National Load Despatch Centre
राष्ट्रीय भार प्रेषण केंद्र
POWER SYSTEM OPERATION CORPORATION LIMITED
पॉवर सिस्टम ऑपरेशन कारपोरेशन लिमिटेड
(Government of India Enterprise/ भारत सरकार का उद्यम)
B-9, QUTUB INSTITUTIONAL AREA, KATWARIA SARAI, NEW DELHI -110016
बी-9, क़ुतुब इन्स्टीट्यूशनल एरिया, कटवारिया सराये, न्यू दिल्ली-110016

Ref: POSOCO/NLDC/SO/Daily PSP Report

दिनांक: 24th Jun 2020

To,

1. कार्यकारी निदेशक, पू .क्षे .भा .प्रे .के.,14 , गोल्फ क्लब रोड , कोलकाता - 700033
   Executive Director, ERLDC, 14 Golf Club Road, Tollygunge, Kolkata, 700033
2. कार्यकारी निदेशक, ऊ. क्षे. भा. प्रे. के., 18/ ए , शहीद जीत सिंह सनसनवाल मार्ग, नई दिल्ली - 110016
   Executive Director, NRLDC, 18-A, Shaheed Jeet Singh Marg, Katwaria Sarai, New Delhi – 110016
3. कार्यकारी निदेशक, प .क्षे .भा .प्रे .के., एफ3-, एम आई डी सी क्षेत्र , अंधेरी, मुंबई -400093
   Executive Director, WRLDC, F-3, M.I.D.C. Area, Marol, Andheri (East), Mumbai-400093
4. कार्यकारी निदेशक, ऊ. पू. क्षे. भा. प्रे. के., डोंगतिएह, लोअर नोंग्रह , लापलंग, शिलोंग - 793006
   Executive Director, NERLDC, Dongteih, Lower Nongrah, Lapalang, Shillong - 793006, Meghalaya
5. कार्यकारी निदेशक , द .क्षे .भा .प्रे .के.,29 , रेस कोर्स क्रॉस रोड, बंगलुरु -560009
   Executive Director, SRLDC, 29, Race Course Cross Road, Bangalore-560009

Sub: Daily PSP Report for the date 23.06.2020.

महोदय/Dear Sir,

आई०ई०जी०सी०-2010 की धारा स.-5.5.1 के प्रावधान के अनुसार, दिनांक 23-जून-2020 की अखिल भारतीय प्रणाली की दैनिक ग्रिड निष्पादन रिपोर्ट रा०भा०प्रे०के० की वेबसाइट पर उप्लब्ध है ।

As per article 5.5.1 of the Indian Electricity Grid Code, the daily report pertaining power supply position of All India Power System for the date 23rd Jun 2020, is available at the NLDC website.

धन्यवाद,

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

Report for previous day **Date of Reporting: 24-Jun-2020**

A. Power Supply Position at All India and Regional level

	NR	WR	SR	ER	NER	TOTAL
Demand Met during Evening Peak hrs(MW) (at 2000 hrs; from RLDCs)	56929	40689	37302	20902	2767	158589
Peak Shortage (MW)	488	0	0	146	8	642
Energy Met (MU)	1351	995	901	436	51	3734
Hydro Gen (MU)	369	72	85	140	24	691
Wind Gen (MU)	23	71	127	-	-	221
Solar Gen (MU)*	40.83	21.20	73.52	4.82	0.03	140
Energy Shortage (MU)	10.7	0.0	0.0	0.4	0.0	11.2
Maximum Demand Met During the Day (MW) (From NLDC SCADA)	62565	43121	41394	21119	2707	164946
Time Of Maximum Demand Met (From NLDC SCADA)	22:25	15:18	14:48	21:12	19:18	22:21

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	0.036	0.00	0.00	10.42	10.42	84.11	5.47

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	12513	0	275.4	148.4	-1.1	76	0.0
	Haryana	9012	0	201.7	140.5	0.2	133	0.0
	Rajasthan	11826	0	254.5	91.7	1.6	622	0.0
	Delhi	5457	0	107.3	91.8	-0.1	218	0.1
	UP	20166	0	394.0	197.6	1.8	458	0.4
	Uttarakhand	1806	0	40.2	18.1	0.7	121	0.0
	HP	1367	0	28.9	-1.0	-0.4	35	0.0
	J&K(UT) & Ladakh(UT)	2156	539	43.1	20.3	-0.2	209	10.3
	Chandigarh	320	0	6.1	6.4	-0.2	28	0.0
WR	Chhattisgarh	3020	0	69.0	12.5	-0.9	245	0.0
	Gujarat	14740	0	311.3	97.2	2.9	512	0.0
	MP	7657	0	171.1	103.5	-2.5	489	0.0
	Maharashtra	18294	0	400.5	157.4	1.4	680	0.0
	Goa	406	0	8.7	8.5	-0.2	42	0.0
	DD	244	0	5.3	5.0	0.3	28	0.0
	DNH	566	0	12.9	12.7	0.2	46	0.0
	AMNSIL	743	0	15.8	5.0	-0.1	226	0.0
SR	Andhra Pradesh	8640	0	176.6	49.0	-0.2	425	0.0
	Telangana	7663	0	159.9	96.9	0.5	972	0.0
	Karnataka	9982	0	196.1	65.6	1.3	596	0.0
	Kerala	3179	0	64.4	44.3	-0.3	131	0.0
	Tamil Nadu	13558	0	296.2	146.2	2.4	819	0.0
	Puducherry	368	0	7.7	8.3	-0.6	22	0.0
ER	Bihar	5420	0	102.8	97.0	1.1	500	0.0
	DVC	2818	0	62.0	-34.8	1.0	445	0.0
	Jharkhand	1327	146	25.8	18.1	-1.0	195	0.4
	Odisha	4051	0	84.3	9.5	-0.5	291	0.0
	West Bengal	7969	0	159.8	49.0	1.5	362	0.0
	Sikkim	94	0	1.3	1.4	-0.1	32	0.0
NER	Arunachal Pradesh	109	1	2.0	2.1	-0.1	25	0.0
	Assam	1695	0	32.2	27.6	0.0	158	0.0
	Manipur	195	1	2.7	2.4	0.3	29	0.0
	Meghalaya	318	0	5.7	0.7	-0.3	27	0.0
	Mizoram	93	1	1.7	1.4	0.1	30	0.0
	Nagaland	137	1	2.3	2.4	-0.4	19	0.0
	Tripura	298	3	4.9	5.7	0.0	59	0.0

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

	Bhutan	Nepal	Bangladesh
Actual (MU)	45.2	-1.8	-25.7
Day Peak (MW)	1902.2	-176.9	-1130.0

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

	NR	WR	SR	ER	NER	TOTAL
Schedule(MU)	290.0	-290.8	114.4	-110.7	-2.9	0.0
Actual(MU)	284.9	-285.9	130.5	-115.7	-4.8	9.0
O/D/U/D(MU)	-5.1	4.9	16.1	-4.9	-1.9	9.0

F. Generation Outage(MW)

	NR	WR	SR	ER	NER	TOTAL
Central Sector	4387	16039	10622	2370	344	33761
State Sector	8290	23478	14153	6022	11	51954
Total	12677	39517	24775	8392	355	85715

G. Sourcewise generation (MU)

	NR	WR	SR	ER	NER	All India
Coal	548	1000	350	450	10	2358
Lignite	25	15	46	0	0	86
Hydro	369	72	86	140	24	691
Nuclear	30	36	47	0	0	113
Gas, Naptha & Diesel	36	76	15	0	28	154
RES (Wind, Solar, Biomass & Others)	84	99	242	5	0	429
Total	1092	1297	785	595	62	3831
Share of RES in total generation (%)	7.66	7.63	30.78	0.81	0.05	11.20
Share of Non-fossil fuel (Hydro,Nuclear and RES) in total generation(%)	44.24	15.95	47.64	24.39	38.27	32.18

H. All India Demand Diversity Factor

Based on Regional Max Demands	1.036
Based on State Max Demands	1.080

Diversity factor = Sum of regional or state maximum demands / All India maximum demand

***Source: RLDCs for solar connected to ISTS; SLDCs for embedded solar. Limited visibility of embedded solar data.**

Executive Director-NLDC

INTER-REGIONAL EXCHANGES

Import=(+ve) /Export =(-ve) for NET (MU)

Date of Reporting: 24-Jun-2020

Sl No	Voltage Level	Line Details	Circuit	Max Import (MW)	Max Export (MW)	Import (MU)	Export (MU)	NET (MU)
Import/Export of ER (With NR)								
1	HVDC	ALIPURDUAR-AGRA	-	0	1001	0.0	24.3	-24.3
2	HVDC	PUSAULI B/B	S/C	0	399	0.0	9.5	-9.5
3	765 kV	GAYA-VARANASI	D/C	44	460	0.0	6.6	-6.6
4	765 kV	SASARAM-FATEHPUR	S/C	181	98	0.2	0.0	0.2
5	765 kV	GAYA-BALIA	S/C	12	368	0.0	4.8	-4.8
6	400 kV	PUSAULI-VARANASI	S/C	0	304	0.0	6.4	-6.4
7	400 kV	PUSAULI -ALLAHABAD	S/C	0	160	0.0	2.8	-2.8
8	400 kV	MUZAFFARPUR-GORAKHPUR	D/C	0	688	0.0	13.1	-13.1
9	400 kV	PATNA-BALIA	Q/C	0	1054	0.0	18.8	-18.8
10	400 kV	BIHARSHARIFF-BALIA	D/C	0	293	0.0	4.9	-4.9
11	400 kV	MOTIHARI-GORAKHPUR	D/C	0	325	0.0	5.5	-5.5
12	400 kV	BIHARSHARIFF-VARANASI	D/C	62	149	0.0	1.4	-1.4
13	220 kV	PUSAULI-SAHUPURI	S/C	0	98	0.0	1.7	-1.7
14	132 kV	SONE NAGAR-RIHAND	S/C	0	0	0.0	0.0	0.0
15	132 kV	GARWAH-RIHAND	S/C	30	0	0.5	0.0	0.5
16	132 kV	KARMANASA-SAHUPURI	S/C	0	0	0.0	0.0	0.0
17	132 kV	KARMANASA-CHANDAULI	S/C	0	0	0.0	0.0	0.0
					ER-NR	0.6	99.9	-99.3
Import/Export of ER (With WR)								
1	765 kV	JHARSUGUDA-DHARAMJAIGARH	Q/C	1282	0	17.9	0.0	17.9
2	765 kV	NEW RANCHI-DHARAMJAIGARH	D/C	794	246	8.4	0.0	8.4
3	765 kV	JHARSUGUDA-DURG	D/C	110	124	0.0	0.5	-0.5
4	400 kV	JHARSUGUDA-RAIGARH	Q/C	284	28	3.5	0.0	3.5
5	400 kV	RANCHI-SIPAT	D/C	296	29	4.6	0.0	4.6
6	220 kV	BUDHIPADAR-RAIGARH	S/C	6	102	0.0	1.0	-1.0
7	220 kV	BUDHIPADAR-KORBA	D/C	191	0	3.2	0.0	3.2
					ER-WR	37.6	1.5	36.1
Import/Export of ER (With SR)								
1	HVDC	JEYPORE-GAZUWAKA B/B	D/C	0	437	0.0	6.9	-6.9
2	HVDC	TALCHER-KOLAR BIPOLE	D/C	0	1834	0.0	43.4	-43.4
3	765 kV	ANGUL-SRIKAKULAM	D/C	0	3017	0.0	48.3	-48.3
4	400 kV	TALCHER-I/C	D/C	344	222	0.5	0.0	0.5
5	220 kV	BALIMELA-UPPER-SILERRU	S/C	1	0	0.0	0.0	0.0
					ER-SR	0.0	98.6	-98.6
Import/Export of ER (With NER)								
1	400 kV	BINAGURI-BONGAIGAON	D/C	0	328	0.0	3.1	-3.1
2	400 kV	ALIPURDUAR-BONGAIGAON	D/C	126	315	0.0	1.2	-1.2
3	220 kV	ALIPURDUAR-SALAKATI	D/C	15	83	0.0	1.0	-1.0
					ER-NER	0.0	5.3	-5.3
Import/Export of NER (With NR)								
1	HVDC	BISWANATH CHARIALI-AGRA	-	0	503	0.0	11.9	-11.9
					NER-NR	0.0	11.9	-11.9
Import/Export of WR (With NR)								
1	HVDC	CHAMPA-KURUKSHETRA	D/C	0	1754	0.0	51.0	-51.0
2	HVDC	V'CHAL B/B	D/C	229	485	0.8	0.0	0.8
3	HVDC	APL -MHG	D/C	0	1734	0.0	34.2	-34.2
4	765 kV	GWALIOR-AGRA	D/C	0	2496	0.0	39.5	-39.5
5	765 kV	PHAGI-GWALIOR	D/C	0	1262	0.0	19.9	-19.9
6	765 kV	JABALPUR-ORAI	D/C	0	932	0.0	28.1	-28.1
7	765 kV	GWALIOR-ORAI	S/C	372	0	7.1	0.0	7.1
8	765 kV	SATNA-ORAI	S/C	0	1460	0.0	30.3	-30.3
9	765 kV	CHITORGARH-BANASKANTHA	D/C	131	961	0.0	7.4	-7.4
10	400 kV	ZERDA-KANKROLI	S/C	131	168	0.4	0.0	0.4
11	400 kV	ZERDA -BHINMAL	S/C	195	234	0.7	0.0	0.7
12	400 kV	V'CHAL -RIHAND	S/C	964	0	22.4	0.0	22.4
13	400 kV	RAPP-SHUJALPUR	D/C	52	437	0.0	3.9	-3.9
14	220 kV	BHANPURA-RANPUR	S/C	11	0	0.0	1.1	-1.1
15	220 kV	BHANPURA-MORAK	S/C	0	88	0.0	1.3	-1.3
16	220 kV	MEHGAON-AURAIYA	S/C	164	0	0.2	0.0	0.2
17	220 kV	MALANPUR-AURAIYA	S/C	60	12	1.7	0.0	1.7
18	132 kV	GWALIOR-SAWAI MADHOPUR	S/C	0	0	0.0	0.0	0.0
19	132 kV	RAJGHAT-LALITPUR	D/C	0	0	0.0	0.0	0.0
					WR-NR	33.3	216.6	-183.3
Import/Export of WR (With SR)								
1	HVDC	BHADRAWATI B/B	-	0	992	0.0	5.8	-5.8
2	HVDC	BARSUR-L.SILERU	-	0	0	0.0	0.0	0.0
3	HVDC	HVDC-RAIGARH-PUGALUR	D/C	0	0	0.0	0.0	0.0
4	765 kV	SOLAPUR-RAICHUR	D/C	0	2700	0.0	26.1	-26.1
5	765 kV	WARDHA-NIZAMABAD	D/C	0	2756	0.0	36.9	-36.9
6	400 kV	KOLHAPUR-KUDGI	D/C	561	286	4.8	0.0	4.8
7	220 kV	KOLHAPUR-CHIKODI	D/C	0	0	0.0	0.0	0.0
8	220 kV	PONDA-AMBEWADI	S/C	1	0	0.0	0.0	0.0
9	220 kV	XELDEM-AMBEWADI	S/C	0	95	1.7	0.0	1.7
					WR-SR	6.6	68.8	-62.2

INTERNATIONAL EXCHANGES

State	Region	Line Name	Max (MW)	Min (MW)	Avg (MW)	Energy Exchange (MU)
BHUTAN	ER	DAGACHU (2 * 63)	0	0	0	0.0
	ER	CHUKA (4 * 84) BIRPARA RECEIPT	311	273	208	5.0
	ER	MANGDECHHU (4 x 180) ALIPURDUAR RECEIPT	584	580	579	13.9
	ER	TALA (6 * 170) BINAGURI RECEIPT	1007	900	1013	24.3
	NER	132KV-SALAKATI - GELEPHU	15	0	35	0.9
	NER	132KV-RANGIA - DEOTHANG	0	0	48	1.1
NEPAL	NR	132KV-Tanakpur(NH) - Mahendranagar(PG)	-24	0	-9	-0.2
	ER	132KV-BIHAR - NEPAL	-13	0	-8	-0.2
	ER	220KV-MUZAFFARPUR - DHALKEBAR DC	-140	-2	-57	-1.4
BANGLADESH	ER	Bheramara HVDC(Bangladesh)	-963	-496	-925	-22.2
	NER	132KV-SURAJMANI NAGAR - COMILLA(BANGLADESH)-1	84	0	-72	-1.7
	NER	132KV-SURAJMANI NAGAR - COMILLA(BANGLADESH)-2	83	0	-72	-1.7

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

Date of Reporting: 24.06.20

Northern Region

	17.06.20 TO 23.06.20	18.06.19 TO 24.06.19	% Increase
Peak Demand	57484	54992	**4.5**
Peak Shortage	470	882	**-46.7**
Energy Met	1364	1286	**6.1**
Hydro	366	326	**12.3**
Wind	44	16	**181.8**

Eastern Region

	17.06.20 TO 23.06.20	18.06.19 TO 24.06.19	% Increase
Peak Demand	20405	19730	**3.4**
Peak Shortage	-21	0	**100.0**
Energy Met	424	459	**-7.7**
Hydro	132	82	**61.0**
Wind	-	-	-

Western Region

	17.06.20 TO 23.06.20	18.06.19 TO 24.06.19	% Increase
Peak Demand	40250	47557	**-15.4**
Peak Shortage	0		**100.0**
Energy Met	964	1122	**-14.1**
Hydro	59	14	**314.8**
Wind	100	75	**33.8**

North-Eastern Region

	17.06.20 TO 23.06.20	18.06.19 TO 24.06.19	% Increase
Peak Demand	2692	2767	**-2.7**
Peak Shortage	69	151	**-54.3**
Energy Met	51	53	**-5.2**
Hydro	23	18	**25.5**
Wind	-	-	-

Southern Region

	17.06.20 TO 23.06.20	18.06.19 TO 24.06.19	% Increase
Peak Demand	36937	41315	**-10.6**
Peak Shortage	0	0	**100.0**
Energy Met	886	968	**-8.5**
Hydro	78	41	**89.5**
Wind	156	156	**0.2**

All India Summary

	17.06.20 TO 23.06.20	18.06.19 TO 24.06.19	% Increase
Peak Demand	157768	166361	**-5.2**
Peak Shortage	518	1033	**-49.8**
Energy Met	3689	3888	**-5.1**
Hydro	657	481	**36.7**
Wind	300	246	**21.8**
Gen Outage	85310	61565	**38.6**

All India Frequency Profile

	<49.7		49.7-49.8		AVE. Freq.	FVI
Date	23/06/2020	24/06/2019	23/06/2020	24/06/2019	23/06/2020	23/06/2020
All India	0.0	0.0	0.0	0.5	49.98	0.036

	49.8-49.9		<49.9		49.9-50.05		>50.05	
Date	23/06/2020	24/06/2019	23/06/2020	24/06/2019	23/06/2020	24/06/2019	23/06/2020	24/06/2019
All India	10.42	5.27	10.42	5.7	**84.11**	**78.02**	5.47	16.25

Diversity factor for 23.06.20

Regional Demand Diversity Factor	NR	WR	SR	ER	NER
	1.033	1.059	1.048	1.027	1.051

All India Demand Diversity Factor	Based on Regional Max Demands	Based on States' Max Demands
	1.036	1.080

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

2). Market Data (Power Exchange)

For Date: 24.06.20

Volume

Exchange	Provisional (MUs)	Final (MUs)
PXI	0.00	0.00
IEX	148.74	148.74
Total	148.74	148.74

Congestion

Link	Time Block
NIL	NIL

Unconstrained Market Clearing Price (Rs./kWh)

Max	3.61
Min	1.80
Avg	2.46

POWER SYSTEM OPERATION CORPORATION LIMITED

(National Load Despatch Centre)

GENERATION OUTAGE SUMMARY (NUCLEAR & UNDER COAL SHORTAGE) AS ON 23.06.2020

NUCLEAR PLANTS (UNITS) UNDER OUTAGE

S.No.	STATION	UNIT	MW	Date of Outage	Reason	Expected date of Revival
NR						
1	RAPS-A	1	100	09-10-04	Subject to regulatory clearance , unit is to be	-
	Total		**100**			
WR						
2	TARAPUR I	1	160	08-01-20	Refueling	
	Total		**160**			
SR						
3	KUDANKULAM	1	1000	31-05-20	To Nourish Uranium	
4	MAPS	1	220	30-01-18	MAINTENANCE WORKS	
	Total		**1220**			
	ALL INDIA TOTAL		**1480**			

THERMAL UNITS OUT ON COAL SHORTAGE

S.No.	STATION	UNIT	MW	Date of Outage	Reason	PRESENT COAL STOCK
WR						
1	VIPL	1	300	29-12-18	Coal shortage/Coal Shortage	
2	JEPL	1	270	28-08-18	Coal shortage/Coal Shortage	
3	RKM POWER	3	360	01-04-20	Coal shortage/Coal Shortage	
4	JPL STG-I	2	250	23-03-20	Bottom Ash de-ashing problem, Coal shortage	
5	JPL STG-II	4	600	25-05-20	APH-B gear box abnormal sound attending	
6	TRN ENERGY	1	300	25-03-20	On account of out break of pandemic COVID-	
7	JPL STG-II	2	600	11-04-20	APH-B gear box abnormal sound attending	
8	VIPL	2	300	17-01-19	Coal shortage/Coal Shortage	
9	JPL STG-I	3	250	09-02-20	Coal shortage/Coal Shortage	
	Total		**3230**			
SR						
10	MEENAKSHI ENERGY LTD	4	350	11-04-19	COAL SHORTAGE	
11	COASTAL ENERGY	2	600	06-06-20	COAL SHORTAGE	
12	MEENAKSHI ENERGY LTD	3	350	03-05-18	COAL SHORTAGE	
13	COASTAL ENERGY	1	600	05-04-20	COAL SHORTAGE	
	Total		**1900**			
	ALL INDIA TOTAL		**5130**			

OUTAGE OF LIGNITE BASED GENERATING UNITS

S.No.	STATION	UNIT	MW	Date of Outage	Reason	Expected date of Revival
NR						
1	Giral (IPP) LTPS	1	125	11-07-14	bed material leakage	-
2	Raiwest (IPP) LTPS	1	135	14-06-20	BED MATERIAL LEAKAGE	-
3	Giral (IPP) LTPS	2	125	27-01-16	Boiler tube leakage	-
	Total		**385**			
WR						
4	KLTPS	4	75	22-06-20	BTL	
	Total		**75**			
SR						
5	NEYVELI-I (TN) - NLC	2	50	20-06-20	phased out	
6	NEYVELI-I (TN) - NLC	4	50	14-05-20	ESP PUNCTURE	
7	ST - CMS	1	250	20-06-20	RESERVE SHUT DOWN	
8	NEYVELI-I (TN) - NLC	1	50	31-03-20	TAKEN OUT PERMANENTLY FOR SCRAP	
9	NNTPS	1	500	22-06-20	ASH HANDLING PROBLEM	
10	NEYVELI-I (TN) - NLC	8	100	04-06-20	DECOMMISIONED	
11	NEYVELI TS II	6	210	07-05-20	Boiler Explosion	
12	NEYVELI-I (TN) - NLC	9	100	26-03-20	RESERVE STAND BY	
	Total		**1310**			
	ALL INDIA TOTAL		**1770**			

DATE OF REPORTING : 24-Jun-2020

GENERATION OUTAGE REPORT FOR : 23-Jun-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)**
CENTRAL SECTOR			CENTRAL SECTOR			CENTRAL SECTOR			CENTRAL SECTOR			CENTRAL SECTOR			
Bairasiul HPS	1	60	RGPPL - UNIT 1A	1	320	COASTAL ENERGY	1	600				KHANDONG	1	25	
Bhakra HPS	3	126	RGPPL - UNIT 1B	2	320	COASTAL ENERGY	2	600				KHANDONG	2	25	
RAPS-A	1	100	RGPPL - UNIT 2A	3	332	IL&FS	1	600				KOPILI	1	25	
			RGPPL - UNIT 2B	4	332	KUDANKULAM	1	1000							
			TARAPUR I	1	160	KUDGI	1	800							
						LKPPL ST3	1	233							
						LKPPL ST3	2	133							
						LKPPL ST3	3	233							
						LKPPL ST3	4	133							
						MAPS	1	220							
						MEENAKSHI ENERGY LTD	3	350							
						MEENAKSHI ENERGY LTD	4	350							
Total CS (Planned)		286	Total CS (Planned)		1464	Total CS (Planned)		5252	Total CS (Planned)		0	Total CS (Planned)		75	7077
STATE SECTOR			STATE SECTOR			STATE SECTOR			STATE SECTOR			STATE SECTOR			

Paricha TPS	2	110	DGBP 1	1	107	IDDUKKI	1	130	BALIMELA HPS	1	60	Umtru	1	2.8	
			GSEG STG 2	1	351	KOTHAGUDEM TPS	1	60	BALIMELA HPS	2	60	Umtru	2	2.8	
			IEPL	1	270	KOTHAGUDEM TPS	2	60	BURLA HPS/HIRAKUD I	1	49.5	Umtru	3	2.8	
			JP BINA	2	250	KOTHAGUDEM TPS	4	60	BURLA HPS/HIRAKUD I	5	37.5	Umtru	4	2.8	
			OPGS	2	150	KOTHAGUDEM TPS	5	120	BURLA HPS/HIRAKUD I	6	37.5				
			SANJAY GANDHI TPS	1	210	KOTHAGUDEM TPS	7	120	BURLA HPS/HIRAKUD I	7	37.5				
			VIPL	1	300	METTUR TPS	2	210	CHANDRAPURA TPS	3	130				
			VIPL	2	300	METTUR TPS	5	600	KOLAGHAT	1	210				
						NEYVELI-I (TN) - NLC	9	100	KOLAGHAT	2	210				
						SABARIGIRI	3	55							
						TUTICORIN	3	210							
						TUTICORIN	5	210							
						VARAHI UGPH	2	115							
						VIJAYAWADA TPS	1	210							
						VIJAYAWADA TPS	2	210							
						VIJAYAWADA TPS	4	210							
Total SS (Planned)		110	Total SS (Planned)		1938	Total SS (Planned)		2680	Total SS (Planned)		832	Total SS (Planned)		11.2	5571.2
Total Planned Outage (CS+SS):		396	Total Planned Outage (CS+SS):		3402	Total Planned Outage (CS+SS):		7932	Total Planned Outage (CS+SS):		832	Total Planned Outage (CS+SS):		86.2	12648.2

NORTHERN			WESTERN			SOUTHERN			EASTERN			NORTH-EASTERN			
2. FORCED 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)
CENTRAL SECTOR			CENTRAL SECTOR			CENTRAL SECTOR			CENTRAL SECTOR			CENTRAL SECTOR			
Chamera II HPS	1	100	ACBIL	2	135	NEYVELI TS II	6	210	ADHUNIK	2	270	Agbpp	3	33.5	
Chamera II HPS	2	100	BALCO	1	300	NNTPS	1	500	NABINAGAR(BRBCL)	1	250	Kopili	1	50	
Kishenganga	1	110	JPL STG-I	2	250	SEIL	2	660	NABINAGAR(BRBCL)	3	250	Kopili	2	50	

			JPL STG-I	3	250				DARLIPALI	1	800	Koplii	3	50	
			JPL STG-II	2	600							Koplii	4	50	
			JPL STG-II	4	600							Loktak	3	35	
			KSTPS	2	200										
			LARA	2	800										
			REL	2	685										
			RKM POWER	3	360										
			SASAN	6	660										
			SKS POWER	1	300										
			TRN ENERGY	1	300										
Total CS (Forced)		310	Total CS (Forced)		5440	Total CS (Forced)		1370	Total CS (Forced)		1570	Total CS (Forced)		268.5	8958.5

STATE SECTOR			STATE SECTOR			STATE SECTOR			STATE SECTOR			STATE SECTOR			
Anpara TPS	2	210	AECO-D	1	120	BHADRADRI TPS	1	270	BALIMELA HPS	4	60				
Anpara-D TPS	2	500	DGBP 3	1	375	IDDUKKI	2	130	BARAUNI TPS	6	110				
Bara PPGCL TPS	3	660	GHATGHAR	1	125	KADAMPARAI	4	100	BARAUNI TPS	8	250				
Chhabra SCTPS	6	660	GHATGHAR	2	125	KAKATIYA ST1&ST2	2	600	MEJIA TPS	7	500				
Giral (IPP) LTPS	1	125	GPEC	4	241	KOTHAGUDEM TPS	9	250	RENGALI HPS	4	50				
Giral (IPP) LTPS	2	125	KLTPS	4	75	NEYVELI-I (TN) - NLC	1	50	SAGARDIGHI	2	300				
Guru Gobind Singh TPS (Ropar)	6	210	KORADI MSEDCL	8	660	NEYVELI-I (TN) - NLC	2	50	Sterlite	2	600				
Kota TPS	6	195	KORADI MSEDCL	9	660	NEYVELI-I (TN) - NLC	4	50	U.KOLAB	1	80				
Obra TPS	10	200	KORBA(E)	1	50	NEYVELI-I (TN) - NLC	8	100	U.KOLAB	3	80				
Panipat TPS	7	250	KORBA(E)	2	50	NORTH CHENNAI TPS	1	210	WARIA TPS	4	210				
Rajwest (IPP) LTPS	1	135	KORBA(E)	3	50	NORTH CHENNAI TPS	3	210	SANTALDIH TPS	5	250				
			KORBA(E)	4	50	RAICHUR TPS	1	210							
			MARWA TPS	2	500	RAICHUR TPS	4	210							
			NASIK	3	210	RAICHUR TPS	8	250							
			NASIK	5	210	RAMAGUNDAM-B	1	62.5							
			SANJAY GANDHI TPS	3	210	UPPER SILERU	1	60							
			SATPURA II	4	210	YERAMARAS TPS	2	800							
			SCPL	1	50										
			URAN	5	108										
			URAN	7	108										
			URAN	8	108										
			URAN B0	1	120										
			WANAKBORI	2	210										
			WPCL	1	135										
			WPCL	1	135										

Total SS (Forced)		3270	Total SS (Forced)		4760	Total SS (Forced)		3612.5	Total SS (Forced)		2240	Total SS (Forced)		0	13882.5
Total Forced Outage (CS+SS):		3580	Total Forced Outage (CS+SS):		10200	Total Forced Outage (CS+SS):		4982.5	Total Forced Outage (CS+SS):		4060	Total Forced Outage (CS+SS):		268.5	23091

NORTHERN			WESTERN			SOUTHERN			EASTERN			NORTH-EASTERN			
3. OUTAGES UNDER RESERVE SHUTDOWN															
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)
CENTRAL SECTOR			CENTRAL SECTOR			CENTRAL SECTOR			CENTRAL SECTOR			CENTRAL SECTOR			
Anta GPS	1	88.71	DGEN	1	400	KUDGI	2	800	JITPL	2	600				
Anta GPS	2	88.71	DGEN	3	400	KUDGI	3	800	FSTPP	2	200				
Anta GPS	3	88.71	GADARWARA	1	800	MEENAKSHI ENERGY LTD	1	150							
Anta GPS	4	153.2	Gandhar - UNIT GT1	1	144.3	MEENAKSHI ENERGY LTD	2	150							
Auraiya GPS	1	111.19	Gandhar - UNIT GT2	2	144.3	SIMHADRI STAGE I	2	500							
Auraiya GPS	2	111.19	KAWAS - UNIT 1A	1	106	SIMHAPURI ENERGY PVT LTD	1	150							
Auraiya GPS	5	109.3	KAWAS - UNIT 2A	4	106	SIMHAPURI ENERGY PVT LTD	2	150							
Dadri-I TPS	1	210	KAWAS - UNIT 2B	5	106	SIMHAPURI ENERGY PVT LTD	3	150							
Dadri-I TPS	2	210	KAWAS - UNIT 2C	6	116.1	SIMHAPURI ENERGY PVT LTD	4	150							
Dadri-I TPS	3	210	KHARGONE	1	660	VALLUR TPS	1	500							
Dadri-I TPS	4	210	KHARGONE	2	660	VALLUR TPS	2	500							
Dadri-II TPS	2	490	LARA	1	800										
ISTPP (Jhajjar)	1	500	MOUDA I	1	500										
ISTPP (Jhajjar)	2	500	MOUDA I	2	500										
ISTPP (Jhajjar)	3	500	MOUDA II	1	660										
Unchahar TPS	2	210	MOUDA II	2	660										
			RGPPL - UNIT 3B	6	332										
			RKM POWER	2	360										
			RKM POWER	4	360										
			SOLAPUR STPS	1	660										
			SOLAPUR STPS	2	660										

Total CS (RSD)		3791.01	Total CS (RSD)		9134.7	Total CS (RSD)		4000	Total CS (RSD)		800	Total CS (RSD)		0	17725.71
STATE SECTOR			STATE SECTOR			STATE SECTOR			STATE SECTOR			STATE SECTOR			
Bawana GPS	1	216	AECO-F	1	121	BELLARY TPS	1	500	BANDEL TPS	5	210				
Bawana GPS	2	216	APL MUNDRA	5	660	BELLARY TPS	2	500	BARAUNI TPS	7	110				
Bawana GPS	5	253	APL MUNDRA	6	660	BELLARY TPS	3	700	BOKARO'B'	3	210				
DCRTPP (Yamuna Nagar)	1	300	APML TIRODA	1	660	JINDAL	2	130	DPL	7	300				
DCRTPP (Yamuna Nagar)	2	300	APML TIRODA	4	660	JINDAL	4	300	KOLAGHAT	3	210				
Harduaganj TPS	2	105	APML TIRODA	5	660	RAICHUR TPS	2	210	KOLAGHAT	5	210				
Kota TPS	1	110	BHUSAWAL	3	210	RAICHUR TPS	5	210	KOLAGHAT	6	210				
Kota TPS	2	110	BHUSAWAL	4	500	RAICHUR TPS	7	210	MEJIA TPS	1	210				
Kota TPS	5	210	BHUSAWAL	5	500	RAYALASEEMA TPP	1	210	MEJIA TPS	2	210				
Panipat TPS	5	210	GANDHINAGAR(GTPS)	3	210	RAYALASEEMA TPP	2	210	MUZAFFARPUR TPS	1	110				
Panipat TPS	6	210	GANDHINAGAR(GTPS)	4	210	RAYALASEEMA TPP	3	210	MUZAFFARPUR TPS	2	110				
Panipat TPS	8	250	GANDHINAGAR(GTPS)	5	210	RAYALASEEMA TPP	4	210	RTPS	1	600				
Paricha TPS	3	210	GIPCL STG 2	1	165	RAYALASEEMA TPP	5	210							
Paricha TPS	4	210	GPEC	2	138	RAYALASEEMA TPP	6	600							
Paricha TPS	5	250	GPEC	3	138	SINGARENI TPS	1	600							
Paricha TPS	6	250	JAIGAD	3	300	SINGARENI TPS	2	600							
Suratgarh TPS	1	250	KORADI	6	210	ST - CMS	1	250							
Suratgarh TPS	2	250	KORADI	7	210	UPCL	1	600							
Suratgarh TPS	3	250	KORADI	10	660	UPCL	2	600							
Suratgarh TPS	4	250	NASIK	4	210	YERAMARAS TPS	1	800							
Suratgarh TPS	5	250	PARLI	4	210										
Suratgarh TPS	6	250	PARLI	5	210										

			PARLI	**6**	**250**										
			PARLI	**7**	**250**										
			PARLI	**8**	**250**										
			PIONEER(262+127)	**1**	**388**										
			RATTAN INDIA POWER (A)	**1**	**270**										
			RATTAN INDIA POWER (A)	**2**	**270**										
			RATTAN INDIA POWER (A)	**3**	**270**										
			RATTAN INDIA POWER (A)	**4**	**270**										
			RATTAN INDIA POWER (A)	**5**	**270**										
			SATPURA II	**3**	**210**										
			SATPURA II	**6**	**200**										
			SATPURA II	**7**	**210**										
			SINGAJI	**1**	**600**										
			SINGAJI	**2**	**600**										
			SINGAJI	**3**	**660**										
			SINGAJI	**4**	**660**										
			TROMBAY	**6**	**500**										
			TROMBAY	**8**	**200**										
			UKAI	**3**	**200**										
			UKAI	**5**	**210**										
			WANAKBORI	**1**	**210**										
			WANAKBORI	**3**	**210**										
			WANAKBORI	**4**	**210**										
			WANAKBORI	**5**	**210**										
			WANAKBORI	**6**	**210**										
			WANAKBORI	**7**	**210**										
			WANAKBORI GIS	**8**	**800**										
			WPCL	**3**	**135**										
			WPCL	**4**	**135**										

Total SS (RSD)		**4910**	**Total SS (RSD)**		**16780**	**Total SS (RSD)**		**7860**	**Total SS (RSD)**		**2700**	**Total SS (RSD)**		**0**	**32250**
Total Outage under RSD (CS+SS):		**8701.01**	**Total Outage under RSD (CS+SS):**		**25914.7**	**Total Outage under RSD (CS+SS):**		**11860**	**Total Outage under RSD (CS+SS):**		**3500**	**Total Outage under RSD (CS+SS):**		**0**	**49975.71**
Regional Total (Central sector)		**4387.01**	**Regional Total (Central sector)**		**16038.7**	**Regional Total (Central sector)**		**10622**	**Regional Total (Central sector)**		**2370**	**Regional Total (Central sector)**		**343.5**	**33761.21**
Regional Total (State sector)		**8290**	**Regional Total (State sector)**		**23478**	**Regional Total (State sector)**		**14152.5**	**Regional Total (State sector)**		**6022**	**Regional Total (State sector)**		**11.2**	**51703.7**
Regional Grand Total		**12677.01**			**39516.7**			**24774.5**			**8392**			**354.7**	**85714.91**

DATE OF REPORTING : 24-Jun-2020

LINE OUTAGE REPORT For Date : 23-Jun-2020

SL.No	Name of Line	Voltage	Region	Ownership	Outage		Revival	Reason
					Date	Time	Date	
IR LINKS								
1	CHANDOLI(UP)-KARAMNASA(BS) (UP) CKT-1	132	NR - ER	UPPTCL	03-04-2020	17:30	STILL OUT	the line remain opened from chandauli end and charged at kamnasa end.132 kv chandauli is fed from sahupuri .
2	LALITPUR(UP)-RAJGHAT(MP) (UP) CKT-1	132	NR - WR	UPPTCL	19-05-2020	18:03	STILL OUT	Normally kept opened
3	GORAKHPUR(PG)-MOTIHARI(BS) (PG) CKT-2	400	NR - ER	POWERGRID	07-03-2020	09:01	STILL OUT	for the stringing of the LILO section of 400kV Barh-Motihari-2
4	CHANDOLI(UP)-KARAMNASA(BS) (UP) CKT-1	132	NR - ER	UPPTCL	03-10-2019	16:30	STILL OUT	supply changeover
5	RAIPUR-PS (DURG)-JHARSUGUDA-2	765	WR - ER	OGPTL	05-06-2020	10:17	STILL OUT	MOHV/Manually opened due to High Voltage
6	BINA-MP-MORWA-1	132	WR - NR	Madhya Pradesh	27-05-2020	19:55	STILL OUT	Power not required by Bina(UP)
7	RAJGHAT-LALITPUR-1	132	WR - NR	Madhya Pradesh	19-05-2020	18:03	STILL OUT	Line hand tripped from Rajghat as requested from UPPTCL.
8	AMBEWADI-PONDA-1	220	SR - WR	GOA	09-05-2020	06:12	STILL OUT	de-bunching of 220kV Ambewadi-Ponda line with 220kV PXR in Goa jurisdiction at cut-point T.L. No. 230
9	GORAKHPUR-MOTIHARI-2	400	NR - ER	DMTCL	13-08-2019	Invalid date	STILL OUT	SWITCHED OFF ON EMERGENCY BASIS. FLOOD AFFECTED TOWER AT LOC. NO. 132(27/0) AND TOWER COLLAPSED ON 14.08.19
10	CHANDAULI-KARMNASHA-1	132	NR - ER	BSPHCL	11-06-2020	12:00	STILL OUT	Charged to supply power to Chandauli from Karmnasa
11	DHALKEBAR-MUZAFFARPUR-1	400	NEPAL - ER	PGCIL	24-05-2020	19:51	STILL OUT	Directional O/C operated B-Ph
12	DHALKEBAR-MUZAFFARPUR-2	400	NEPAL - ER	PGCIL	24-05-2020	19:51	STILL OUT	Directional O/C operated B-Ph
LINES OUT IN HIGH VOLTAGE								
NR								
1	BANDA-REWA ROAD (UP) CKT-1	400	NR	UPPTCL	31-05-2020	02:29	STILL OUT	Manually opened due to High Voltage
2	AGRA-FATEHPUR (PG) CKT-1	765	NR	POWERGRID	17-06-2020	06:10	STILL OUT	Manually opened due to High Voltage
3	BHIWADI-HISSAR (PG) CKT-1	400	NR	POWERGRID	20-06-2020	08:22	STILL OUT	Manually opened due to High Voltage
4	AJMER-CHITTORGARH (PG) CKT-1	765	NR	POWERGRID	21-06-2020	03:57	STILL OUT	Manually opened due to High Voltage
5	ORAI-MAINPURI (UP) CKT-1	400	NR	UPPTCL	21-06-2020	06:44	STILL OUT	Manually opened due to High Voltage
6	ALLAHABAD-FATEHPUR (PG) CKT-3	400	NR	POWERGRID	21-06-2020	07:15	STILL OUT	Manually opened due to High Voltage
WR								
1	VADINAR-BACHAU-2	400	WR	POWERGRID-WR2 (PGCIL)	08-10-2017	15:56	STILL OUT	VR/Manually opened due to High Voltage
2	RAITA-JAGDALPUR-2	400	WR	Chattisgarh	25-03-2020	18:48	STILL OUT	Manually opened on High Voltage/Manually opened due to High Voltage
3	DHARAMJAYGARH-JABALPUR-1	765	WR	POWERGRID-WR1 (PGCIL)	11-05-2020	18:12	STILL OUT	mohv/Manually opened due to High Voltage
4	KIRNAPUR-BHILAI-1	400	WR	Chattisgarh	31-05-2020	17:42	STILL OUT	A/T in over voltage
5	WARDHA-RAIPUR-PS (DURG)-1	765	WR	POWERGRID-WR1 (PGCIL)	03-06-2020	14:24	STILL OUT	MOHV/Manually opened due to High Voltage
6	RAIPUR-PS (DURG)-JHARSUGUDA-2	765	WR	OGPTL	05-06-2020	10:17	STILL OUT	MOHV/Manually opened due to High Voltage
7	WARDHA-RAIPUR-PS (DURG)-3	765	WR	POWERGRID-WR1 (PGCIL)	09-06-2020	19:03	STILL OUT	MOHV/Manually opened due to High Voltage
8	AURANGABAD-SOLAPUR-1	765	WR	POWERGRID-WR1 (PGCIL)	09-06-2020	21:11	STILL OUT	MOHV/Manually opened due to High Voltage
9	KARAD-JAIGAD-1	400	WR	Maharashtra	10-06-2020	23:22	STILL OUT	MOHV/Manually opened due to High Voltage
10	BABLESHWAR-IB-NASIK-1	400	WR	Maharashtra	11-06-2020	11:00	STILL OUT	MOHV/Manually opened due to High Voltage
11	PUNE-GIS-PADGHE-PG-1	765	WR	CWRTL-Adani	11-06-2020	19:57	STILL OUT	MANUAL OPEN ON HIGH VOLTAGE/Manually opened due to High Voltage
12	MAGARWADA-NAVSARI-1	400	WR	POWERGRID-WR2 (PGCIL)	12-06-2020	16:23	STILL OUT	MOHV/Manually opened due to High Voltage
13	BHUSAWAL-AURANGABAD-M (WALUJ)-1	400	WR	Maharashtra	12-06-2020	17:00	STILL OUT	MOHV/Manually opened due to High Voltage
14	CHANDRAPUR-BHADRAWATI-1	400	WR	POWERGRID-WR1 (PGCIL)	14-06-2020	17:48	STILL OUT	MOHV/Manually opened due to High Voltage
15	KALWA-PADGHE-1	400	WR	Maharashtra	15-06-2020	21:16	STILL OUT	MOHV/Manually opened due to High Voltage

16	SINGAJI-JULWANIA-1	400	WR	Madhya Pradesh	16-06-2020	18:21	STILL OUT	MOHV/Manually opened due to High Voltage
17	DHULE-AURANGABAD-1	765	WR	BDTCL-Sterlite	16-06-2020	21:49	STILL OUT	MOHV/Manually opened due to High Voltage
18	DHARAMJAYGARH-JABALPUR-4	765	WR	JTCL-Sterlite	16-06-2020	23:01	STILL OUT	MOHV/Manually opened due to High Voltage
19	BABLESHWAR-PADGHE-2	400	WR	Maharashtra	18-06-2020	20:48	STILL OUT	MOHV/Manually opened due to High Voltage
20	WARDHA-AURANGABAD-4	765	WR	POWERGRID-WR1 (PGCIL)	19-06-2020	01:31	STILL OUT	modv/Manually opened due to High Voltage
21	AURANGABAD-BOISAR-2	400	WR	POWERGRID-WR1 (PGCIL)	19-06-2020	14:03	STILL OUT	Manually open due to high voltage/Manually opened due to High Voltage
22	PADGHE-NAGOTHANE-2	400	WR	Maharashtra	19-06-2020	18:08	STILL OUT	MOHV/Manually opened due to High Voltage
23	WARDHA-AURANGABAD-2	765	WR	POWERGRID-WR1 (PGCIL)	19-06-2020	18:14	STILL OUT	Manually open due to high voltage./Manually opened due to High Voltage
24	PUNE-GIS-SOLAPUR-1	765	WR	POWERGRID-WR1 (PGCIL)	20-06-2020	19:58	STILL OUT	MOHV/Manually opened due to High Voltage
25	KARAD-KOLHAPUR-MS-2	400	WR	Maharashtra	23-06-2020	19:09	STILL OUT	MOHV/Manually opened due to High Voltage
26	PARLI-M-NANDED-2	400	WR	Maharashtra	23-06-2020	19:16	STILL OUT	MOHV/Manually opened due to High Voltage
27	DHULE-MS-BABLESHWAR-2	400	WR	Maharashtra	23-06-2020	21:30	STILL OUT	MOHV/Manually opened due to High Voltage
				SR				
1	JANAGAON-JULURUPADU-2	400	SR	TSTRANSCO	20-11-2019	17:32	STILL OUT	H/T TO CONTAIN OVER VOLTAGE
2	JANAGAON-JULURUPADU-1	400	SR	TSTRANSCO	30-01-2020	18:25	STILL OUT	h/t to contain over voltage
3	SURYAPET-KETHIREDDYPALLY-2	400	SR	TSTRANSCO	07-02-2020	20:16	STILL OUT	HAND TRIPPED ON OVER VOLTAGE
4	SURYAPET-KETHIREDDYPALLY-1	400	SR	TSTRANSCO	22-03-2020	14:31	STILL OUT	H /T TO CONTAIN OVER VOLTAGE
5	RAYALSEEMA TPP-KALIKIRI-2	400	SR	APTRANSCO	25-03-2020	23:30	STILL OUT	H/T TO CONTAIN OVER VOLTAGE.
6	RAYALSEEMA TPP-KALIKIRI-1	400	SR	APTRANSCO	26-03-2020	01:02	STILL OUT	TRIPPED ON OVER VOLTAGE.
7	TIPPAPUR-JANAGAON-1	400	SR	TSTRANSCO	27-03-2020	18:05	STILL OUT	TRIPPED ON OVER VOLTAGE.
8	MEDARAM-RAMADUGU-1	400	SR	TSTRANSCO	27-03-2020	18:40	STILL OUT	H/T TO CONTAIN OVER VOLTAGE.
9	NAGARJUNASAGAR_PG-MEHBOOBNAGAR-1	400	SR	POWERGRID	30-03-2020	18:25	STILL OUT	H/T TO CONTAIN OVER VOLTAGE.
10	TIPPAPUR-JANAGAON-2	400	SR	TSTRANSCO	22-04-2020	18:29	STILL OUT	H/T DUE TO OVER VOLTAGE
11	SURYAPET-KV_KOTA-1	400	SR	APTRANSCO	01-05-2020	17:25	STILL OUT	H /T TO CONTAIN OVER VOLTAGE
12	KETHIREDDYPALLY-SHANKARAPALLY-2	400	SR	TSTRANSCO	06-05-2020	17:14	STILL OUT	H /T TO CONTAIN OVER VOLTAGE
13	NIRMAL-SUNDILA-2	400	SR	TSTRANSCO	22-05-2020	07:12	STILL OUT	TRIPPED ON OVER VOLTAGE.
14	NIRMAL-SUNDILA-2	400	SR	TSTRANSCO	22-05-2020	10:37	STILL OUT	H/T FOR VOLTAGE REGULATION
15	URAVAKONDA-MEHBOOBNAGAR-1	400	SR	APTRANSCO	28-05-2020	18:01	STILL OUT	TRIPPED ON OVER VOLTAGE.
16	VTPS_IV-SURYAPET-2	400	SR	APTRANSCO	29-05-2020	17:38	STILL OUT	H/T ON OVER VOLTAGE
17	RAMADUGU-GAJWEL-1	400	SR	TSTRANSCO	31-05-2020	16:45	STILL OUT	Hand Tripped for Voltage Regulation (RMDGU:426kV)
18	NIRMAL-SUNDILA-1	400	SR	TSTRANSCO	31-05-2020	22:05	STILL OUT	H/T DUE TO OVER VOLTAGE
19	RAMADUGU-GAJWEL-2	400	SR	TSTRANSCO	01-06-2020	03:06	STILL OUT	H/T DUE TO OVER VOLTAGE
20	DICHPALLY-NIRMAL-1	400	SR	TSTRANSCO	01-06-2020	10:29	STILL OUT	H /T TO CONTAIN OVER VOLTAGE
21	SOMANAHALLI-DHARMAPURI-2	400	SR	POWERGRID	01-06-2020	18:22	STILL OUT	H/T TO CONTAIN OVER VOLTAGE
22	SINGARENI-SUNDILA-2	400	SR	TSTRANSCO	03-06-2020	16:14	STILL OUT	H/T DUE TO OVER VOLTAGE
23	BPS-JAGALUR-1	400	SR	KPTCL	10-06-2020	18:23	STILL OUT	H /T TO CONTAIN OVER VOLTAGE
24	SATTENPALLY-PODILI-1	400	SR	APTRANSCO	11-06-2020	00:27	STILL OUT	HAND TRIPPED ON OVER VOLTAGE
25	KALPAKKA-ASUPAKA-1	400	SR	APTRANSCO	11-06-2020	17:29	STILL OUT	TRIPPED ON OVER VOLTAGE.
26	BHOOPALAPALLY-CHANDALAPUR-1	400	SR	TSTRANSCO	11-06-2020	18:01	STILL OUT	TRIPPED ON OVER VOLTAGE.

27	MAMIDAPALLI-DINDI-2	400	SR	TSTRANSCO	12-06-2020	02:46	STILL OUT	Hand Tripped for Voltage Regulation (Dindi:430kV)
28	CHILAKALURIPETA-CUDDAPAH-2	765	SR	PSITSL	16-06-2020	20:38	STILL OUT	HAND TRIPPED DUE TO HIGH VOLTAGE
29	NIZAMABAD-MAHESHWARAM_PG-2	765	SR	POWERGRID	16-06-2020	20:52	STILL OUT	HAND TRIPPED DUE TO HIGH VOLTAGE
30	TUMKUR-KUDGI_PG-1	400	SR	KTL	17-06-2020	20:46	STILL OUT	HAND TRIPPED ON OVER VOLTAGE
31	UPCL-HASSAN-2	400	SR	KPTCL	20-06-2020	23:23	STILL OUT	hand tripped on voltage regulation (UPCL-431KV,Hassan_425KV)
32	ANAIKADAVU-THAPPUKUNDU-2	400	SR	TANTRANSCO	21-06-2020	01:29	STILL OUT	HAND TRIPPED ON VOLTAGE REGULATION(ANAIKADUVU-429KV,THAPPAGUNDU-433KV)
33	TIPPAPUR-CHANDALAPUR-1	400	SR	TSTRANSCO	21-06-2020	10:11	STILL OUT	H/T TO CONTAIN OVETR VOLTAGE.
34	HASSAN-MYSORE-2	400	SR	POWERGRID	21-06-2020	18:02	STILL OUT	H /T TO CONTAIN OVER VOLTAGE
35	TUTICORIN_PS-DHARMAPURI-2	400	SR	POWERGRID	22-06-2020	00:27	STILL OUT	HAND TRIPPED ON OVER VOLTAGE
36	KAYATHAR-KANARPATTI-2	400	SR	TANTRANSCO	23-06-2020	03:47	STILL OUT	TRIPPED ON OVER VOLTAGE
37	KARAIKUDI-KAYATHAR-2	400	SR	TANTRANSCO	23-06-2020	03:47	STILL OUT	H/T DUE TO OVER VOLTAGE
38	PAVAGADA-TUMKUR-1	400	SR	POWERGRID	23-06-2020	17:27	STILL OUT	H/T TO CONTAIN OVER VOLTAGE.
39	NELAMANGALA-HIRIYUR-2	400	SR	POWERGRID	23-06-2020	18:02	STILL OUT	Tripped due to over-voltage
40	CUDDAPAH-THIRUVALAM-2	765	SR	POWERGRID	23-06-2020	20:26	STILL OUT	H/T DUE TO OVER VOLTAGE
41	TUMKUR-KUDGI_PG-2	400	SR	KTL	23-06-2020	23:43	STILL OUT	HAND TRIPPED DUE TO HIGH VOLTAGE
ER								
1	JHARSUGUDA-ANGUL-4	765	ER	PGCIL	07-06-2020	10:45	STILL OUT	Voltage Regulation
LINES UNDER FORCED OUTAGE								
CENTRAL SECTOR								
1	CHAMERA_3(NH)-CHAMBA(PG) (PG) CKT-2	220	NR	POWERGRID	14-05-2019	11:56	STILL OUT	Tower at loc no. 25 has been bend due to soil sinking and land slide. During shifting of Chamera Pool-2 line from 220 kV Bus-2 to Bus-1 at Chamera 3 GIS.Line isolator and circuit breaker of line 2 got damaged at Chamera-3 GIS.
2	JAIPUR SOUTH-BASSI (PG) CKT-1	400	NR	POWERGRID	04-06-2020	12:55	STILL OUT	REL 670 Relay for Main 1 protection of 400 kV Bassi-Jaipur South 1 has been found faulty. Permit for online testing. Line will be in charged condition.
3	RAIGARH-GIS-HVDC POLE 1	800	WR	POWERGRID-WR1 (PGCIL)	04-06-2020	17:12	STILL OUT	Pole tripped on VESDA protection initiation.
4	RAIGARH-RAIGARH-PS-1	400	WR	POWERGRID-WR1 (PGCIL)	07-06-2020	19:29	STILL OUT	To control fault level at Kotra; idle charged at 22:08hrs/07-06-2020 from Raigaeh end
5	KHANDWA-DHULE-MS-1	400	WR	POWERGRID-WR2 (PGCIL)	15-06-2020	12:53	STILL OUT	MOHV
6	PUGALUR HVDC POLE 1	800	SR	POWERGRID	04-06-2020	17:12	STILL OUT	vsda operation
7	PUGALUR HVDC POLE 2	800	SR	POWERGRID	07-06-2020	12:56	STILL OUT	BLOCKING OF POLE 2 AFTER 24 HRS TESTING
8	PUDUCHERRY-SUNGAVARACHATRAM-1	400	SR	POWERGRID	22-06-2020	09:57	STILL OUT	To reduce the line loading on NNTPP - NLC TS II
9	DIMAPUR(PG)-IMPHAL-1	132	NER	POWERGRID	25-07-2018	18:22	STILL OUT	Emergency hand tripped due to landslide at Loc No 390 which has become extremely vulnerable & may collapse at any time.
10	MISA-KOPILI-1	220	NER	POWERGRID	07-10-2019	04:59	STILL OUT	details awaited
11	KHANDONG-KOPILI -2	132	NER	POWERGRID	07-10-2019	05:53	STILL OUT	details awaited
12	MISA-KOPILI-2	220	NER	POWERGRID	07-10-2019	07:32	STILL OUT	for safety of personnel at Kopili
STATE SECTOR								
1	CHANDOLI(UP)-KARAMNASA(BS) (UP) CKT-1	132	NR	UPPTCL	03-10-2019	16:30	STILL OUT	supply changeover
2	KHATIMA(UK)-PILIBHIT(UP) (PG) CKT-1	132	NR	PTCUL	28-11-2019	13:35	STILL OUT	Maint. works.
3	KHODRI(UK)-MAJRI(HP) (UK) CKT-2	220	NR	PTCUL	08-02-2020	19:05	STILL OUT	Malfunctions of CT Switching Relay at Khodri end.
4	KISHENPUR(PG)-RAMBAN(PDD) (PDD) CKT-1	220	NR	PDD JK	31-03-2020	16:43	STILL OUT	Due to heavy land slide near village Dalwas at Ramban damages occurred to 220 KV D/C KPTL at Location No :- 187,188 &189 and there is every apprehension of collapsing Tower Loc No 189 .
5	CHANDOLI(UP)-KARAMNASA(BS) (UP) CKT-1	132	NR	UPPTCL	03-04-2020	17:30	STILL OUT	the line remain opened from chandauli end and charged at kamnasa end.132 kv chandauli is fed from sahupuri .
6	NEW TANDA (UP)-SOHAWAL(PG) (UP) CKT-2	220	NR	UPPTCL	01-05-2020	22:32	STILL OUT	heavy sparking on both ckt on Tower location no 62 from Pgcil end.
7	ANTA-PHAGI (RS) CKT-2	765	NR	RRVPNL	05-05-2020	17:02	STILL OUT	Line tripped on 04-May-20 17:16Hrs. 765 kV Phagi-Anta Line -2 was patrolled and found that tower location No. 355,356 ,393 ,394 were found band and conductor broken. Taken under SD since 1702Hrs of 5.5.20

8	RAJGARH (RS)-HISAR(BB) (RS) CKT-1	132	NR	RRVPNL	10-05-2020	11:40	STILL OUT	EARTH FAULT AT RAJGARH END , HISSAR END IS ALREADY OPEN.
9	LALITPUR(UP)-RAJGHAT(MP) (UP) CKT-1	132	NR	UPPTCL	19-05-2020	18:03	STILL OUT	Normally kept opened
10	AGRA FATEHBAD(UP)-LALITPUR(LPG) (UP) CKT-2	765	NR	UPPTCL	26-05-2020	11:39	STILL OUT	Tower collapsed 765kV Fatehabad -Lalipur ckt-2 line tripped and is under breakdown condition since 22:13hrs on dated 03/05/2020. After tripping, Patrolling had been Completed at the line and Our Patrolling team found that, Towers of the line had been damaged which is described below:- Damaged Tower 765kV Fatehabad-lalitpur CKT-2 -
11	PATIALA(PG)-ABLOWAL(PS) (PSTCL) CKT-2	220	NR	PSTCL	29-05-2020	13:32	STILL OUT	E/s/d for Protection testing
12	RAJPURA-DHURI (PS) CKT-2	400	NR	PSTCL	10-06-2020	18:30	STILL OUT	Tower collapsed at location 158-162
13	RAJPURA-DHURI (PS) CKT-1	400	NR	PSTCL	10-06-2020	18:30	STILL OUT	Tower collapsed at location 158-162
14	BAGHPAT(PG)-MANDOLA VIHAR(UP) (UP) CKT-1	220	NR	UPPTCL	18-06-2020	06:07	STILL OUT	B Phase Trip 3. Fault current L1=0.12KA , L2= 0.12KA , L3=0.4KA Fault time 53.27 ms Trip time -0.00 ms Baghpat PG End Flag Distance- 11 Km R- Phase - 0.19 KA Y- phase- 0.07 KA B-phase- 8.84 KA R-phase- 0.2 KA Y- phase- 0.1 KA B- phase- 9.539 KA Distance- 10.8 Km
15	KICHHA(UK)-RICHA(UP) (PTCUL) CKT-1	132	NR	PTCUL	19-06-2020	13:15	STILL OUT	The line has been taken into service to avail S/D on 132kV Dhona-Richa line.
16	BAWANA CCGTB-BAWANA(DV) (DTL) CKT-1	400	NR	DTL	20-06-2020	14:47	STILL OUT	After restoration of CCGT Bawana - Bhiwani. The interconnectors between the 400KV buses of CCGT Bawana and 400KV Bawana were out since 18.04.2020 to reduce high fault level at CCGT Bawana. Today both interconnectors were charged at 16:40 hrs for facilitating emergency shutdown of 400KV CCGT Bawana- Biwani line. After charging of
17	BAWANA CCGTB-BAWANA(DV) (DTL) CKT-2	400	NR	DTL	20-06-2020	14:47	STILL OUT	After restoration of CCGT Bawana - Bhiwani. The interconnectors between the 400KV buses of CCGT Bawana and 400KV Bawana were out since 18.04.2020 to reduce high fault level at CCGT Bawana. Today both interconnectors were charged at 16:40 hrs for facilitating emergency shutdown of 400KV CCGT Bawana- Biwani line. After charging of
18	RAJGARH (RS)-HISAR(BB) (RS) CKT-1	132	NR	RRVPNL	21-06-2020	10:00	STILL OUT	To attend for replacement of jumper at Loc No.3
19	AKAL-RAMGARH (RS) CKT-2	400	NR	RRVPNL	23-06-2020	16:46	STILL OUT	Restoration work of damaged section of 400KV Akal - Ramgarh -II Line
20	SURATGARH(RVUN)-RATANGARH(RS) (RS) CKT-2	400	NR	RRVPNL	23-06-2020	19:20	STILL OUT	Emergency shutdown for replacement of faulty disk insulator of B-Phase of 400 KV RTGH-STPS CKT-2nd at tower location No. 311(Tension tower)
21	ATHENA-RAIGARH-1	400	WR	ACPL	30-04-2016	22:02	STILL OUT	Y-PH df/dt relay operatec at Athena; provision of df/dt relay at Athena and settings are being checked by Athena/ Kept out after FTC
22	ATHENA-RAIGARH-2	400	WR	ACPL	01-05-2016	11:46	STILL OUT	FOR TESTING AND CHECKING WORKS/ Kept out after FTC
23	SINGAJI-PITHAMPUR-1	400	WR	Madhya Pradesh	02-06-2019	15:27	STILL OUT	tripped on B-phase fault; tower collapse reported between locations 159-168/Tower Collapse
24	PENCH-MP-KANHAN-1	132	WR	Madhya Pradesh	17-08-2019	18:33	STILL OUT	Outage taken for jumper replacement: previously idealy charged at 09:56hrs on 17/08/2019
25	MANSAR-MS-PENCH-1	132	WR	Madhya Pradesh	08-02-2020	19:09	STILL OUT	kept open from Pench end
26	BINA-MP-MORWA-1	132	WR	Madhya Pradesh	27-05-2020	19:55	STILL OUT	Power not required by Bina(UP)
27	SATNA-KOTAR-1	220	WR	Madhya Pradesh	28-05-2020	17:19	STILL OUT	Tripped (Heavy to very heavy storms reported)/Tower Collapse
28	BACHAU-MORBI-1	220	WR	Gujarat	07-06-2020	17:53	STILL OUT	A/T on B-phase E/F, 2.19KA, 65KM @Bachhau end ; tower collapse at location 252 (suspension) and 253 (tension)/Tower Collapse
29	LALPAR-GUJARAT-BACHAU-1	220	WR	Gujarat	07-06-2020	17:53	STILL OUT	A/T on B-phase E/F, 2.2KA, 60KM @Bachhau end ; tower collapse at location 252 (suspension) and 253 (tension)/Tower Collapse
30	VINDHYANCHAL-III-VINDHYACHAL-V-1	400	WR	NTPC	10-06-2020	18:47	STILL OUT	To control fault level at VSTPS
31	VINDHYANCHAL-III-VINDHYACHAL-V-2	400	WR	NTPC	10-06-2020	18:48	STILL OUT	To control fault level at VSTPS
32	GMR-VEMAGIRI_AP-1	400	SR	APTRANSCO	11-02-2020	14:55	STILL OUT	H/T due to oil leakage
33	CHANDALAPUR-TUKKAPUR-1	400	SR	TSTRANSCO	18-04-2020	11:48	STILL OUT	ISOLATOR EARTH SWITCH ISSUE- SS DEAD AT CHANDLAPUR
34	TUKKAPUR-NARSAPUR-1	400	SR	TSTRANSCO	14-05-2020	18:50	STILL OUT	B-N FAULT
35	KALPAKKA-KHAMMAM-1	400	SR		19-05-2020	11:38	STILL OUT	TRIPPED ON R-N FAULT
36	GAJWEL-CHANDALAPUR-2	400	SR	TSTRANSCO	31-05-2020	12:47	STILL OUT	B-N FAULT
37	KARAIKUDI-KAMUDHI-2	400	SR	TANTRANSCO	05-06-2020	16:40	STILL OUT	AUTO RE-CLOSURE OPERATIONAL
38	KARAIKUDI-PUDUKKOTTAI	230	SR	TANTRANSCO	07-06-2020	22:31	STILL OUT	TRIPPED ON Y-N FAULT
39	CHILLAKALLU-PULICHINTALA-1	220	SR	APTRANSCO	23-06-2020	18:37	STILL OUT	SOTF OPERATED
40	BALIMELA-UPPER SILERU-1	220	ER	OPTCL	03-10-2018	22:45	STILL OUT	LINE ANTITHEFT CHARGED FROM UPPER SILERU ON 17-04-18
41	PANDIABILI-SAMANGARA-1	220	ER	OPTCL	03-05-2019	Invalid date	STILL OUT	49 NOS. TOWER COLLAPSED
42	PANDIABILI-SAMANGARA-2	220	ER	OPTCL	03-05-2019	Invalid date	STILL OUT	49 NOS. TOWER COLLAPSED
43	MOTIHARI-GORAKHPUR-1	400	ER	PGCIL	13-08-2019	Invalid date	STILL OUT	SWITCHED OFF ON EMERGENCY BASIS. FLOOD AFFECTED TOWER AT LOC. NO. 132(27/0) AND TOWER COLLAPSED ON 14.08.19
44	GORAKHPUR-MOTIHARI-2	400	ER	DMTCL	13-08-2019	Invalid date	STILL OUT	SWITCHED OFF ON EMERGENCY BASIS. FLOOD AFFECTED TOWER AT LOC. NO. 132(27/0) AND TOWER COLLAPSED ON 14.08.19
45	BARH-MOTIHARI-1	400	ER	DMTCL	04-09-2019	04:36	STILL OUT	TOWER COLLPASE REPORTED AT TL 26/0 , 10KM FROM MOTIHARI DUE TO SOIL EROSION AND SHIFTING OF RIVER COURSE OF GANDAK. ADJACENT TOWER AT LOC. 25/5 ALSO COLLAPSED ON 07.10.2019.
46	BIHARSARIFF(PG)-NEW PURNEA-D/C	400	ER	PGCIL	14-12-2019	14:15	STILL OUT	tower cllapse and anti theft charged

47	GANGTOK-SHERATHANG-1	66	ER	SIKKIM	04-01-2020	00:27	STILL OUT	B-N, 1.57 KA, 17.464 KM
48	KHARAGPUR-CHAIBASA-2	400	ER	PKTCL	13-03-2020	12:53	STILL OUT	B-N fault, Z-2 140 km from Chaibasa, 3.226 kA
49	KOLAGHAT(WB)-HOWRAH-2	220	ER	WBSETCL	01-04-2020	15:53	STILL OUT	Tower collapse at loc no 66 due to soil erosion
50	MEERAMUNDALI-BHANJANGR-1	220	ER	OPTCL	07-04-2020	18:57	STILL OUT	Meramundoli end-R-N Z1 FD-95.3 M, FC-20.19 kA
51	BEGUSARAI-NEW PURNEA-2	220	ER	BSPHCL	17-05-2020	11:19	STILL OUT	New P- B-N Dist-146.8km FC-Ib-1.18kA,
52	KOLAGHAT(WB)-HALDIA-2	220	ER	WBSETCL	20-05-2020	18:13	STILL OUT	R-N
53	DHALKEBAR-MUZAFFARPUR-2	400	ER	PGCIL	24-05-2020	19:51	STILL OUT	Directional O/C operated B-Ph
54	DHALKEBAR-MUZAFFARPUR-1	400	ER	PGCIL	24-05-2020	19:51	STILL OUT	Directional O/C operated B-Ph
55	BINAGURI-TALA-2	400	ER	PGCIL	22-06-2020	19:24	STILL OUT	KA,iy=3.11 KA136.3 km,Ir=3.02 from binaguri
56	BINAGURI-TALA-1	400	ER	PGCIL	23-06-2020	23:15	STILL OUT	Bhutan end-Z1, Y-N FD-99km
57	LEKHI-ITANAGAR-1	132	NER	ARUNACHAL PRADESH, DOP	19-06-2020	16:20	STILL OUT	H/T due to system Requirement
58	KOHIMA-WOKHA-1	132	NER	DOP, NAGALAND	23-06-2020	14:38	STILL OUT	Tripped on Earth Fault
LINES UNDER PLANNED SHUTDOWN								
CENTRAL SECTOR								
1	GORAKHPUR(PG)-MOTIHARI(BS) (PG) CKT-2	400	NR	POWERGRID	07-03-2020	09:01	STILL OUT	for the stringing of the LILO section of 400kV Barh-Motihari-2
2	KOTESHWAR-MEERUT (PG) CKT-2	400	NR	POWERGRID	30-05-2020	09:57	STILL OUT	Erection of 765 kV line terminal equipments and SF6 to Air Bushings. HV and Impulse Test of GIS Equipments of 765 kV Meerut-2 Line, ICT-1 & BUS REACTOR and final testing and commissioning.
3	HAPUR(UP)-MURADNAGAR_1(UP) (PG) CKT-1	400	NR	POWERGRID	20-06-2020	17:03	STILL OUT	for diversion of line due to new DELHI - MEERUT expressway by PG.
4	RAIGARH-RAIGARH-PS-2	400	WR	POWERGRID-WR1 (PGCIL)	07-06-2020	22:07	STILL OUT	To control fault level at Kotra; Line idle charged from Raigarh end
5	KHANDONG-KOPILI -1	132	NER	POWERGRID	20-02-2019	10:01	STILL OUT	Dismantling of existing Bay equipment's for Integrate through GIS at Kopili SS
STATE SECTOR								
1	TANDA(NT)-AZAMGARH(UP) (UP) CKT-1	400	NR	UPPTCL	08-06-2020	13:23	STILL OUT	Diversion work of this line for UPEIDA Expressway work
2	MURADNAGAR_2-MATHURA (UP) CKT-1	400	NR	UPPTCL	21-06-2020	07:48	STILL OUT	Height Raising work of 400KV S/C Manth (Mathura)-Muradnagar Line at Location no.496-498 for Construction of RRTS project of NCRTC
3	MANDOLA(PG)-SOUTH WAZIRABAD(DV) (DTL) CKT-2	220	NR	DTL	23-06-2020	07:20	STILL OUT	Tightening of all tension tower line.
4	KARAD-SOLAPUR-1	400	WR	Maharashtra	15-11-2017	09:40	STILL OUT	Quarterly Maint At Karad And line maint Work by Lamboti
5	RAJGHAT-LALITPUR-1	132	WR	Madhya Pradesh	19-05-2020	18:03	STILL OUT	Line hand tripped from Rajghat as requested from UPPTCL.
6	BINA-BINA-NHPTL-1	400	WR	NHPTL	24-05-2020	15:27	STILL OUT	Short circuit test of 25MVA GT at NHPTL, Bina completed
7	BACHAU-NARANPAR(OSTRO)-1	220	WR	OSTRO	27-05-2020	08:47	STILL OUT	Tan Delta testing of AIS CT Bay - 210 B-phase
8	RAIGARH-PUGALUR-2	800	WR		07-06-2020	12:56	STILL OUT	As per testing procedure(Testing completed)
9	DEHGAM-RANCHODPURA-1	400	WR	Gujarat	23-06-2020	07:57	STILL OUT	2 Nos. of Isolators replacement work at PGCIL End due to frequently breakdown of Isolator BPI. Hence required to replaced by NEW Siemens make Isolator.
10	LKPPL_STG2-VIJAYAWADA-2	400	SR	LANCO	18-02-2020	11:10	STILL OUT	AMP of terminal equipment
11	HOODY-NELAMANGALA	400	SR	KPTCL	05-03-2020	18:19	STILL OUT	Construction of 400kV D/C Pavagada Devanahalli Line
12	HOODY-YELHANKA-1	400	SR	KPTCL	05-03-2020	18:44	STILL OUT	Construction of 400kV D/C Pavagada Devanahalli Line
13	NCTPS_STAGE_II-VALLUR-1	400	SR	TANTRANSCO	19-03-2020	11:11	STILL OUT	For Breaker testing and outdoor PM and shutdown not returned due to problem in earth switch.
14	AMBEWADI-PONDA-1	220	SR	GOA	09-05-2020	06:12	STILL OUT	de-bunching of 220kV Ambewadi-Ponda line with 220kV PXR in Goa jurisdiction at cut-point T.L. No. 230
15	RAIGARH HVDC-PUGALUR HVDC-1	800	SR		26-05-2020	10:20	STILL OUT	POWER FLOW TESTING
16	MALKARAM-SURYAPET-2	400	SR	TSTRANSCO	17-06-2020	10:44	STILL OUT	PERIODICAL TESTING OF CT
17	TIPPAPUR-CHANDALAPUR-1	400	SR	TSTRANSCO	21-06-2020	10:11	STILL OUT	H/T TO CONTAIN OVETR VOLTAGE.
18	DC ALIPURDUAR-AGRA-I	HVDC	ER		08-11-2019	19:38	STILL OUT	OLT Testing
19	JHARSUGUDA-RAIGARH-A/R OF JHARSUGUDA RAIGARH II		ER		09-11-2019	12:37	STILL OUT	R-Phase Isolator alignment issues at Raigarh S/S

20	BNC-AGRA POLE I	800	ER		11-04-2020	13:00	STILL OUT	switching of poles in anticipation of er 2 emergency s/d from 14:30
21	DC LINE I OF AGRA-BNC	HVDC	ER		11-04-2020	14:40	STILL OUT	for facilitation of emergency shutdown for dismantling metallic sheet from line
22	KOLAGHAT(WB)-KOLAGHAT(DVC)-1	132	ER	DVC	13-04-2020	13:30	STILL OUT	Line normally kept opened
23	KHSTPP-KAHALGAON(BSEB)-1	132	ER	NTPC	16-04-2020	19:40	STILL OUT	To reduce loading of KHSTPP-Kahalgaon(BSEB) line
24	PATRATU-PATRATU-1	132	ER	PGCIL	28-04-2020	10:30	STILL OUT	Replacement of defective meter by New meter received from PGCIL, Ranchi.
25	CHANDIL-MANIQUI-1	132	ER	JUSNL	01-05-2020	02:06	STILL OUT	Power restored from JUSNL source.Tie line normally kept open.
26	RAIPUR PS (DURG)-JHARSUGUDA-2	765	ER	PGCIL	05-06-2020	10:17	STILL OUT	TO FACILITATE S/D OF RAIPUR(DURG)- 765KV - BUS 1
27	JHARSUGUDA-ANGUL-4	765	ER	PGCIL	07-06-2020	10:45	STILL OUT	Voltage Regulation
28	GAYA-NABINAGAR(NPGC)-1	400	ER	PGCIL	11-06-2020	09:59	STILL OUT	FOR LILO OF SAID LINE AT 400 KV CHANDAUTI SS (ERECTION OF LILO TOWERS)
29	GAYA-NABINAGAR(NPGC)-2	400	ER	PGCIL	11-06-2020	10:00	STILL OUT	FOR LILO OF SAID LINE AT 400 KV CHANDAUTI SS (ERECTION OF LILO TOWERS)
30	CHANDAULI-KARMNASHA-1	132	ER	BSPHCL	11-06-2020	12:00	STILL OUT	Charged to supply power to Chandauli from Karmnasa
31	SAMAGURI-SONABIL-1	220	NER	AEGCL	23-03-2020	08:43	STILL OUT	tower erection and conductor stringing work

LINES OUT DUE TO SYSTEM CONSTRAINT(S)

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All India Energy Balance for ISTS for 23-Jun-20			
	Schedule	**Actual**	**Deviation**
Northern Region			
Injection	446.3	456.7	10.4
Drawal	713.7	716.0	2.3
Transnational	0.0	0.2	0.2
RRAS	0.7		
SCED	1.6		
Western Region			
Injection	706.4	705.7	-0.7
Drawal	401.8	402.9	1.1
RRAS	0.0		
SCED	0.0		
Southern Region			
Injection	295.7	297.1	1.4
Drawal	410.3	413.2	3.0
RRAS	0.0		
SCED	-11.5		
Eastern Region			
Injection	291.9	290.2	-1.7
Drawal	140.1	142.1	2.0
Transnational	-23.3	-23.6	-0.3
RRAS	4.3		
SCED	8.8		
North-Eastern Region			
Injection	47.2	49.5	2.3
Drawal	42.3	41.9	-0.4
RRAS	0.7		
SCED	-0.5		
All India			
Injection : 'A'	1787.5	1799.1	11.7
Drawal : 'B'	1708.2	1716.0	7.9
Transnational : 'C'	-23.3	-23.4	-0.1
RRAS :'D'	5.7		
SCED :'E'	-1.7		
Regional Losses (MU)			
NR	**20.4**	**25.4**	
WR	**13.8**	**16.9**	
SR	**11.3**	**14.4**	
ER	**4.7**	**8.8**	
NER	**1.8**	**2.8**	
All India Loss			
Loss(MU): 'F' = A-B-D-E+C	**52.0**	**59.8**	
Loss(%), 'G'= F/A	**2.9**	**3.3**	
* All figures in MU unless specified otherwise			
Note: Injection 'A' is the sum of injection by each regional entity power stations.			
Drawal 'B' is the sum of drawal by each regional entity drawal utility.			

Northern Region Energy Balance for ISTS for 23-Jun-20					
S.No.	**Name**	**Capacity (MW)**	**Schedule**	**Actual**	**Deviation**
A	**States**				
1	Punjab		148.4	147.3	-1.1
2	Haryana		140.5	140.6	0.2
3	Rajasthan		91.7	93.3	1.6
4	Delhi		91.8	91.7	-0.1
5	Uttar Pradesh		197.6	199.4	1.8
6	Uttarakhand		18.1	18.8	0.7
7	Himachal Pradesh		-1.0	-1.4	-0.4
8	J&K(UT) & Ladakh(UT)		20.3	20.1	-0.2
9	Chandigarh		6.4	6.1	-0.2
	Total Drawal		**713.7**	**716.0**	**2.3**
B	**Regional Entities Injection**				
1	CS Solar	1810	12.3	14.3	2.0
2	CS Wind	0	0.0	0.0	0.0
3	Parbati-II	800	0.0	2.1	2.1
4	Karcham Wangtoo HPS	1000	25.8	25.9	0.1
5	Nathpa-Jhakri HPS	1500	38.5	38.9	0.4
6	Unchahar III TPS	210	2.7	3.1	0.4
7	Unchahar IV TPS	500	6.9	6.9	0.0
8	Chamera II HPS	300	2.4	2.4	0.0
9	Chamera III HPS	231	5.7	5.6	0.0
10	Uri-II HPS	240	5.7	5.8	0.1
11	Bairasiul HPS	180	2.6	2.7	0.1
12	Tanakpur HPS	94	2.2	2.3	0.1
13	Shree Cement (IPP) TPS	300	0.0	0.0	0.0
14	Budhil HPS (IPP)	70	1.7	1.7	0.0
15	ADHPL(IPP) HPS	192	4.6	5.1	0.5
16	Sainj HEP	100	2.6	2.6	0.0
17	Malana2	100	0.0	2.2	2.2
18	Parbati III HEP	520	4.1	4.3	0.1
19	Koldam HPS	800	20.9	20.9	0.0
20	ISTPP (Jhajjar)	1500	0.0	0.2	0.2
21	Koteshwar HPS	400	6.6	6.8	0.2
22	Kishanganga	330	5.3	5.3	0.0
23	Rampur HEP	412	10.6	10.7	0.1
24	TEHRI HPS	1000	12.3	12.3	0.0
25	Bhakra HPS	1379	24.1	24.2	0.2
26	Dehar HPS	990	14.3	14.6	0.3
27	Pong HPS	396	6.3	6.4	0.1
28	Singrauli STPS	2000	38.1	38.5	0.3
29	Rihand-I STPS	1000	21.2	21.2	0.0
30	Rihand-II STPS	1000	22.5	22.6	0.1
31	Rihand-III STPS	1000	22.5	22.6	0.1
32	Dadri-I TPS	840	0.0	0.0	0.0
33	Dadri-II TPS	980	6.2	6.3	0.1
34	Unchahar I	420	2.8	2.7	-0.1
35	Anta GPS	419	0.0	0.0	0.0
36	Auraiya GPS	663	4.6	4.6	0.0
37	Dadri GPS	830	5.8	5.6	-0.2
38	Salal HPS	690	16.7	17.1	0.4
39	Chamera HPS	540	12.8	12.9	0.1
40	URI HPS	480	11.5	11.5	0.0
41	Dhauliganga HPS	280	6.8	6.9	0.2
42	Dulhasti HPS	390	9.3	9.3	0.1
43	Sewa-II HPS	120	1.8	1.9	0.1

S.No.	Name	Capacity (MW)	Schedule	Actual	Deviation
44	NAPS	440	9.0	8.9	0.0
45	RAPS-B	440	8.0	8.0	0.1
46	RAPS-C	440	9.7	9.7	0.1
47	Unchahar II TPS	420	5.5	5.6	0.1
48	Tanda TPS Stage-II	660	13.9	13.6	-0.2
	Total Injection	**29406**	**446.3**	**456.7**	**10.4**
C	**Infirm Injection**				
	Total Injection	**0**	**0.0**	**0.0**	**0.0**
D	**Inter Regional Exchange**		**290.0**	**284.9**	**-5.1**
E	**Trans-National Exchange**		**0.0**	**0.2**	**0.2**
F	**RRAS**		**0.7**		
G	**SCED**		**1.6**		
H	**ISTS Loss (MU)**		**20.4**	**25.4**	
	ISTS Loss (%)		**2.77**	**3.48**	

Western Region Energy Balance for ISTS for 23-Jun-20					
S.No.	**Name**	**Capacity (MW)**	**Schedule**	**Actual**	**Deviation**
A	**States**				
1	Gujarat		97.2	100.1	2.9
2	Madhya Pradesh		103.5	101.0	-2.5
3	Chhattisgarh		12.5	11.6	-0.9
4	Maharashtra		157.4	158.8	1.4
5	Goa		8.5	8.3	-0.2
6	Daman And Diu		5.0	5.3	0.3
7	Dadra And Nagar Haveli		12.7	12.9	0.2
8	AMNSIL		5.0	4.9	-0.1
	Total Drawal		**401.8**	**402.9**	**1.1**
B	**Regional Entities Injection**				
1	CS Solar	750	3.1	3.7	0.5
2	CS Wind	1287.7	4.7	3.2	-1.5
3	KSTPS	2100	42.5	41.9	-0.6
4	KORBA III	500	11.2	11.7	0.5
5	VSTPS I	1260	23.6	23.7	0.1
6	VSTPS II	1000	22.3	22.9	0.6
7	VSTPS III	1000	17.4	17.9	0.5
8	VSTPS IV	1000	22.5	22.7	0.2
9	VSTPS V	500	11.1	11.3	0.2
10	SIPAT I	1980	43.2	44.0	0.9
11	SIPAT II	1000	22.5	22.9	0.4
12	MOUDA I	1000	0.0	0.0	0.0
13	SASAN	3960	85.9	87.6	1.7
14	CGPL	4150	88.7	88.0	-0.8
15	NSPCL	500	9.7	9.5	-0.2
16	KAPS	440	9.4	9.0	-0.4
17	TARAPUR I	320	3.5	3.4	-0.1
18	TARAPUR II	1080	23.6	23.8	0.2
19	KAWAS	656.2	3.2	3.3	0.2
20	GANDHAR	657	3.1	4.1	1.1
21	RGPPL	1944	7.4	6.7	-0.7
22	SSP(RBPH+CHPH)	1450	27.2	27.2	0.0
23	MOUDA II	1320	0.0	0.0	0.0
24	SOLAPUR STPS	660	0.0	-0.2	-0.2
25	ESSAR(MAHAN)	1200	18.5	18.6	0.1
26	BALCO	1200	8.2	7.9	-0.2
27	JP NIGRIE	1320	22.4	22.9	0.5
28	LANCO	600	11.3	11.4	0.1
29	KSK MAHANADI	1800	29.1	29.4	0.3
30	JPL STG-I	1000	1.2	1.4	0.2
31	JPL STG-II	2400	21.3	22.1	0.8
32	DCPP	540	0.0	0.0	0.0
33	REGL	600	10.9	10.1	-0.9
34	DB POWER	1200	24.6	20.0	-4.6
35	GMR WARORA	600	7.7	8.1	0.4
36	ACBIL	330	4.1	3.8	-0.4
37	DHARIWAL CTU	300	6.3	6.3	0.0
38	SKS POWER	600	5.0	5.0	0.0
39	RKM POWER	1440	5.5	5.5	0.0
40	MB POWER	1200	13.7	13.8	0.1
41	REL	1370	10.8	11.1	0.3
42	DGEN	1200	6.9	6.9	0.1
43	JHABUA POWER	600	9.3	9.0	-0.3
44	TRN ENERGY	600	3.8	3.9	0.1

S.No.	Name	Capacity (MW)	Schedule	Actual	Deviation
45	GADARWARA	800	0.0	0.0	0.0
46	LARA	800	0.0	0.5	0.5
47	KHARGONE	1320	0.0	-0.1	-0.1
	Total Injection	**53534.9**	**706.4**	**705.7**	**-0.7**
C	**Infirm Injection**				
	Total Injection	**0**	**0.0**	**0.0**	**0.0**
D	**Inter Regional Exchange**		**-290.8**	**-285.9**	**4.9**
E	**RRAS**		**0.0**		
F	**SCED**		**0.0**		
G	**ISTS Loss (MU)**		**13.8**	**16.9**	
	ISTS Loss (%)		**1.95**	**2.4**	

Southern Region Energy Balance for ISTS for 23-Jun-20					
S.No.	**Name**	**Capacity (MW)**	**Schedule**	**Actual**	**Deviation**
A	**States**				
1	Andhra Pradesh		49.0	48.8	-0.2
2	Telangana		96.9	97.4	0.5
3	Karnataka		65.6	66.9	1.3
4	Kerala		44.3	44.0	-0.3
5	Tamilnadu		146.2	148.5	2.4
6	Puducherry		8.3	7.7	-0.6
	Total Drawal		**410.3**	**413.2**	**3.0**
B	**Regional Entities Injection**				
1	CS Solar	2950	17.3	20.9	3.6
2	CS Wind	950	2.7	1.9	-0.8
3	COASTAL ENERGY	1200	0.0	0.0	0.0
4	IL&FS	1200	13.0	13.0	-0.1
5	KAIGA STG1	440	10.0	9.9	0.0
6	KAIGA STG2	440	10.1	10.1	0.0
7	KUDANKULAM	2000	22.8	22.8	0.0
8	KUDGI	2400	0.0	0.0	0.0
9	LKPPL ST2	366	0.0	0.0	0.0
10	LKPPL ST3	732	0.0	0.0	0.0
11	MAPS	440	4.1	4.0	-0.1
12	MEENAKSHI ENERGY LTD	1000	0.0	0.0	0.0
13	NTPL	1000	16.1	16.2	0.1
14	Neyveli TS I Expn	420	9.2	9.4	0.2
15	Neyveli TS II	1470	24.4	24.5	0.1
16	Neyveli TS II Expn	500	9.4	8.7	-0.7
17	Ramagundam	2600	48.6	48.3	-0.3
18	SEIL P1	1320	14.3	14.3	-0.1
19	SEIL P2	1320	24.2	24.3	0.1
20	SIMHAPURI ENERGY PVT LTD	600	0.0	0.0	0.0
21	Simhadri Stage I	1000	7.5	7.6	0.1
22	Simhadri Stage II	1000	15.1	15.1	0.0
23	TALCHER ST2	2000	44.1	43.9	-0.2
24	Vallur TPS	1500	2.8	2.4	-0.4
25	NNTPS	500	0.0	0.0	0.0
	Total Injection	**29348**	**295.7**	**297.1**	**1.4**
C	**Infirm Injection**				
1	NNTPS INFIRM	500	0.0	0.0	0.0
	Total Injection	**500**	**0.0**	**0.0**	**0.0**
D	**Inter Regional Exchange**		**114.4**	**130.5**	**16.1**
E	**RRAS**		**0.0**		
F	**SCED**		**-11.5**		
G	**ISTS Loss (MU)**		**11.3**	**14.4**	
	ISTS Loss (%)		**2.77**	**3.37**	

Eastern Region Energy Balance for ISTS for 23-Jun-20					
S.No.	**Name**	**Capacity (MW)**	**Schedule**	**Actual**	**Deviation**
A	**States**				
1	Bihar		97.0	98.2	1.1
2	DVC		-34.8	-33.9	1.0
3	Jharkhand		18.1	17.1	-1.0
4	Odisha		9.5	8.9	-0.5
5	West Bengal		49.0	50.5	1.5
6	Sikkim		1.4	1.3	-0.1
	Total Drawal		**140.1**	**142.1**	**2.0**
B	**Regional Entities Injection**				
1	CS Solar	10	0.0	0.0	0.0
2	CS Wind	0	0.0	0.0	0.0
3	FSTPP ST-I & II	1600	19.9	19.7	-0.2
4	FSTPP ST-III	500	7.6	7.5	-0.1
5	KhSTPP ST-I	840	14.3	14.3	0.0
6	KhSTPP ST-II	1500	27.5	27.5	0.0
7	BARH	1320	20.4	20.5	0.1
8	Talcher STPS - I	1000	21.8	21.4	-0.4
9	NABINAGAR	750	8.2	8.2	0.0
10	TEESTA HPS	510	12.2	12.4	0.2
11	RANGIT HPS	60	1.4	1.4	0.0
12	KURICHU HPC	60	0.6	2.0	1.4
13	TALA	1020	24.2	24.3	0.2
14	CHUKA	336	5.4	5.0	-0.4
15	DAGACHU	126	2.9	0.0	-2.9
16	MPL	1050	17.3	17.6	0.3
17	ADHUNIK	540	5.9	5.9	-0.1
18	GKEL	700	11.1	11.2	0.0
19	JITPL	1200	13.3	13.4	0.1
20	CHUZACHEN	99	2.8	2.9	0.0
21	JORETHANG	96	2.5	2.5	0.0
22	DIKCHU Hep	96	2.5	2.7	0.2
23	TEESTA STG III Hep	1200	31.3	31.4	0.1
24	TASHIDING	96	2.5	2.6	0.1
25	KBUNL	390	7.3	7.3	0.0
26	NSTPP	660	14.9	14.8	-0.1
27	MANGDECHHU	720	14.0	13.9	-0.1
28	Darlipalli STPP	800	0.0	0.0	0.0
	Total Injection	**17279**	**291.9**	**290.2**	**-1.7**
C	**Infirm Injection**				
	Total Injection	**0**	**0.0**	**0.0**	**0.0**
D	**Inter Regional Exchange**		**-110.7**	**-115.7**	**-4.9**
E	**Trans-National Exchange**		**-23.3**	**-23.6**	**-0.3**
F	**RRAS**		**4.3**		
G	**SCED**		**8.8**		
H	**ISTS Loss (MU)**		**4.7**	**8.8**	
	ISTS Loss (%)		**1.44**	**2.73**	

North Eastern Region Energy Balance for ISTS for 23-Jun-20					
S.No.	**Name**	**Capacity (MW)**	**Schedule**	**Actual**	**Deviation**
A	**States**				
1	Arunachal Pradesh		2.1	2.0	-0.1
2	Assam		27.6	27.6	0.0
3	Manipur		2.4	2.7	0.3
4	Meghalaya		0.7	0.4	-0.3
5	Mizoram		1.4	1.5	0.1
6	Nagaland		2.4	2.0	-0.4
7	Tripura		5.7	5.7	0.0
	Total Drawal		**42.3**	**41.9**	**-0.4**
B	**Regional Entities Injection**				
1	CS Solar	0	0.0	0.0	0.0
2	CS Wind	0	0.0	0.0	0.0
3	Kopili	200	0.0	0.0	0.0
4	Doyang	75	0.9	0.9	0.0
5	Kopili-2	25	0.0	0.0	0.0
6	Loktak	105	1.6	1.7	0.0
7	BGTPP	750	9.5	10.4	0.9
8	Pare	110	2.8	2.9	0.0
9	Ranganadi	405	7.5	7.6	0.1
10	Khandong	50	0.0	0.0	0.0
11	Kameng HEP	150	3.5	3.7	0.1
12	AGTCCPP	135	2.4	2.6	0.2
13	AGBPP	291	4.4	4.6	0.2
14	Palatana	726.6	14.5	15.2	0.6
	Total Injection	**3022.6**	**47.2**	**49.3**	**2.2**
C	**Infirm Injection**				
1	Kameng HEP	150	0.0	0.1	0.1
	Total Injection	**150**	**0.0**	**0.1**	**0.1**
D	**Inter Regional Exchange**		**-2.9**	**-4.8**	**-1.9**
E	**RRAS**		**0.7**		
F	**SCED**		**-0.5**		
G	**ISTS Loss (MU)**		**1.8**	**2.8**	
	ISTS Loss (%)		**3.88**	**5.56**	

ISTS Connected Wind Generation					
S.No.	**Name**	**Capacity (MW)**	**Schedule**	**Actual**	**Deviation**
Northern Region					
	Total Injection	**0**	**0.00**	**0.00**	**0.00**
Western Region					
1	AGEMPL	176.4	0.70	0.60	-0.10
2	GIWEL-II WIND (VADVA)	250	0.90	0.60	-0.30
3	GIWEL-III WIND (NARANPAR)	226.8	1.00	0.70	-0.30
4	IWISL WIND (DAYAPAR)	200	0.40	0.40	0.00
5	RENEW WIND (BHUVAD)	184.5	0.80	0.10	-0.70
6	OSTRO WIND (KUTCH)	250	1.00	0.80	-0.20
	Total Injection	**1287.7**	**4.80**	**3.20**	**-1.60**
Southern Region					
1	BEETAM	250	0.28	0.18	-0.10
2	GREEN INFRA	250	1.38	1.27	-0.11
3	MYTRA	250	0.00	0.00	0.00
4	ORANGE	200	1.04	0.49	-0.55
	Total Injection	**950**	**2.70**	**1.94**	**-0.76**
Eastern Region					
	Total Injection	**0**	**0.00**	**0.00**	**0.00**
North Eastern Region					
	Total Injection	**0**	**0.00**	**0.00**	**0.00**

ISTS Connected Solar Generation					
S.No.	**Name**	**Capacity (MW)**	**Schedule**	**Actual**	**Deviation**
Northern Region					
1	ACME Chittorgarh Solar Energy Pvt Ltd	250	1.45	1.60	0.15
2	Azure Power India Pvt Ltd.	200	1.26	1.47	0.21
3	Azure Power Thirty Four Private Ltd	130	0.95	1.06	0.11
4	Clean Solar Power (Bhadla) Pvt Ltd	300	2.26	2.56	0.30
5	M/s Kilaj Solar (Maharashtra) Private Limited	50	0.37	0.42	0.05
6	Adani Renewable Energy RJ Limited (ARERJL)	200	1.40	1.63	0.23
7	Renew Solar Power PVt LTD	50	0.39	1.35	0.96
8	Renew Solar Power Pvt Ltd. Bikaner	250	1.58	1.35	-0.23
9	SB Energy Four Pvt Ltd	200	1.52	1.57	0.05
10	Tata Power Renewable Energy Ltd	150	1.05	1.19	0.14
11	Dadri Solar	5	0.01	0.02	0.01
12	Unchahar Solar	10	0.04	0.04	0.00
13	Singrauli Solar	15	0.05	0.05	0.00
	Total Injection	**1810**	**12.33**	**14.31**	**1.98**
Western Region					
1	ACME SOLAR (RAMNAGAR)	250	1.00	1.20	0.20
2	ARINSUN SOLAR (BARSAITADESH)	250	1.10	1.30	0.20
3	MAHINDRA SOLAR (BADWAR)	250	1.00	1.20	0.20
	Total Injection	**750**	**3.10**	**3.70**	**0.60**
Southern Region					
1	ANP_ACME BIWADI	50	0.31	0.32	0.01
2	ANP_ACME HISAR	50	0.31	0.35	0.04
3	ANP_ACME KARNAL	50	0.31	0.35	0.04
4	ANP_AZURE	50	0.25	0.27	0.02
5	ANP_FRV1	50	0.31	0.35	0.04
6	ANP_FRV2	50	0.33	0.36	0.03
7	ANP_NTPC	250	0.00	1.23	1.23
8	ANP_SBG ENERGY	250	1.82	1.97	0.15
9	ANP_TATA	100	0.57	0.62	0.05
10	PVG_ ADYAH BLOCK 2	50	0.35	0.40	0.05
11	PVG_ACME KURUKSHETHRA	50	0.33	0.39	0.06
12	PVG_ACME RIWARI	50	0.33	0.39	0.06
13	PVG_ADYAH BLOCK 1	50	0.35	0.40	0.05
14	PVG_ADYAH BLOCK 10	50	0.35	0.40	0.05
15	PVG_ADYAH BLOCK 13	50	0.35	0.40	0.05
16	PVG_ADYAH BLOCK 3	50	0.35	0.40	0.05
17	PVG_ADYAH BLOCK 6	50	0.35	0.41	0.06
18	PVG_AVAADA SOLAR	150	0.98	1.10	0.12
19	PVG_AVAADA SOLARISE	150	0.93	1.07	0.14
20	PVG_AZURE POWER EARTH	100	0.66	0.76	0.10
21	PVG_FORTUM FIN SURYA	100	0.60	0.65	0.05
22	PVG_FORTUM SOLAR	250	1.68	1.83	0.15
23	PVG_KREDL	50	0.33	0.37	0.04
24	PVG_PARAMPUJYA	150	1.00	1.11	0.11
25	PVG_RENEW TN2	50	0.32	0.38	0.06
26	PVG_SBG ENERGY	200	1.38	1.39	0.01
27	PVG_TATA RENEWABLES	400	2.18	2.88	0.70
28	PVG_YARROW	50	0.31	0.37	0.06
	Total Injection	**2950**	**17.34**	**20.92**	**3.58**
Eastern Region					
1	Talcher_Solar	10	0.03	0.03	0.00
	Total Injection	**10**	**0.03**	**0.03**	**0.00**
North Eastern Region					

S.No.	Name	Capacity (MW)	Schedule	Actual	Deviation
	Total Injection	**0**	**0.00**	**0.00**	**0.00**

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

Power Supply Position in Northern Region For 23-Jun-2020

Date of Reporting:24-Jun-2020

1. Regional Availability/Demand:

Evening Peak (20:00) 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
56,929	488	57,417	49.99	56,803	255	57,058	49.86	1,351	10.74

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

State	State's Control Area Generation (Net MU)							Drawal Sch	Act Drawal	UI	Requirement	Shortage	Consumption
	Thermal	Hydro	Gas/Naptha/ Diesel	Solar	Wind	OthersBiomass/Small Hyd/Co-gen etc.)	Total	(Net MU)	(Net MU)	(Net MU)	(Net MU)	(Net MU)	(Net MU)
PUNJAB	97.26	23.58	0	3.96	0	3.32	128.11	148.4	147.33	-1.07	275.44	0	275.44
HARYANA	50.6	0.92	8.5	0.17	0	0.84	61.03	140.45	140.63	0.18	201.66	0	201.66
RAJASTHAN	113.12	0	1.99	18.56	23.44	4.13	161.24	91.7	93.28	1.58	254.52	0	254.52
DELHI	0	0	15.11	0	0	0.47	15.59	91.81	91.67	-0.14	107.31	0.05	107.26
UTTAR PRADESH	168.9	21.9	0	3.2	0	0.6	194.6	197.56	199.4	1.84	394.44	0.44	394
UTTARAKHAND	0	20.76	0	0.63	0	0	21.39	18.05	18.77	0.72	40.16	0	40.16
HIMACHAL PRADESH	0	16.75	0	0	0	13.55	30.3	-0.98	-1.36	-0.38	28.94	0	28.94
J&K(UT) & Ladakh(UT)	0	23.01	0	0	0	0	23.01	20.3	20.09	-0.21	53.35	10.25	43.1
CHANDIGARH	0	0	0	0	0	0	0	6.38	6.14	-0.24	6.14	0	6.14
Region	429.88	106.92	25.6	26.52	23.44	22.91	635.27	713.67	715.95	2.28	1,361.96	10.74	1,351.22

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

State	Evening Peak (20:00) MW				Off-Peak (03:00) MW			
	Demand Met	Shortage	UI	STOA/PX/RTM Transaction	Demand Met	Shortage	UI	STOA/PX/RTM Transaction
PUNJAB	11,179	0	-37	2,036	10,738	0	-61	2,085
HARYANA	8,510	0	-48	800	8,342	0	-7	691
RAJASTHAN	8,990	0	-207	-24	10,140	0	-33	-308
DELHI	4,096	0	-70	737	4,727	0	113	1,278
UTTAR PRADESH	19,053	0	142	2,252	18,515	0	-473	2,741
UTTARAKHAND	1,732	0	71	-84	1,644	0	93	-275
HIMACHAL PRADESH	1,170	0	-16	-1,520	1,028	0	-35	-1,640
J&K(UT) & Ladakh(UT)	1,953	488	14	-981	1,447	255	134	-1,478
CHANDIGARH	246	0	-17	-10	222	0	-25	-15
Region	56,929	488	-168	3,206	56,803	255	-294	3,079

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 at maximum demand	Requirement at the max demand met of the day	Maximum Requirement of the day	Time	Shortage during at maximum Requirement	Demand Met at maximum requiremnet	Min Demand Met	Time
PUNJAB	12,513	16:00	0	12,513	12,513	16:00	0	12,513	10,440	6:00
HARYANA	9,012	24:00	0	9,012	9,012	24:00	0	9,012	7,245	8:00
RAJASTHAN	11,826	11:00	0	11,826	11,826	11:00	0	11,826	8,664	19:00
DELHI	5,457	24:00	0	5,457	5,457	24:00	0	5,457	3,615	9:00
UP	20,166	22:00	0	20,166	20,166	22:00	0	20,166	13,238	7:00
UTTARAKHAND	1,806	22:00	0	1,806	1,806	22:00	0	1,806	1,513	7:00
HP	1,367	11:00	0	1,367	1,367	11:00	0	1,367	1,028	3:00
J&K(UT)&Ladak ..	2,156	21:00	539	2,695	2,695	21:00	539	2,156	1,314	4:00
CHANDIGARH	320	15:00	0	320	320	15:00	0	320	181	6:00
NR	61,353	22:00	483	61,835	61,835	22:00	483	61,353	50,995	7:00

3(A) State Entities Generation:

CHANDIGARH

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

DELHI

Station/Constituents	Inst. Capacity	20:00	03:00	Day Peak		Day Energy	AVG. MW
	(MW)	Peak MW	Off Peak MW	(MW)	Hrs	(MU)	
BAWANA GPS(2 * 253 + 4 * 216)	1,370	301	270	303		6.83	285
DELHI GAS TURBINES(3 * 34 + 6 * 30)	282	75	75	75.24		1.77	74
PRAGATI GAS TURBINES(1 * 121.2 + 2 * 104.6)	452	266	261	295.65		6.51	271
RITHALA GPS(3 * 36)	108	0	0	0			
Total GAS/NAPTHA/DIESEL	2,212	642	606			15.11	630
WIND	0	0	0	0			
BIOMASS(52)	52	35	35	37.02		0.47	20
SOLAR(2)	2	0	0	0			
Total DELHI	2,266	677	641			15.58	650

HARIYANA

Station/Constituents	Inst. Capacity	20:00	03:00	Day Peak		Day Energy	AVG. MW
	(MW)	Peak MW	Off Peak MW	(MW)	Hrs	(MU)	
DCRTPP (YAMUNA NAGAR)(2 * 300)	600	0	0	0			
JHAJJAR(CLP)(2 * 660)	1,320	1,217	1,135	1,221	21:00	26.78	1,116
MAGNUM DIESEL (IPP)(4 * 6.3)	25	0	0	0			
PANIPAT TPS(1 * 210 + 2 * 250)	710	0	0	0			
RGTPP(KHEDAR)(2 * 600)	1,200	1,133	915	1,156	13:00	23.83	993
Total THERMAL	3,855	2,350	2,050			50.61	2,109
FARIDABAD GPS(1 * 156.07 + 2 * 137.75)	432	368	380	384	04:00	8.5	354
Total GAS/NAPTHA/DIESEL	432	368	380			8.5	354
TOTAL HYDRO HARYANA(64.8)	65	36	37	38	04:00	0.92	38
Total HYDEL	65	36	37			0.92	38
WIND	0	0	0	0			
BIOMASS(106)	106	0	0	0		0.84	35
SOLAR(55.8)	56	0	0	0		0.17	7
Total HARYANA	4,514	2,754	2,467			61.04	2,543

HIMACHAL PRADESH

Station/Constituents	Inst. Capacity	20:00	03:00	Day Peak		Day Energy	AVG. MW
	(MW)	Peak MW	Off Peak MW	(MW)	Hrs	(MU)	
BASPA (IPP) HPS(3 * 100)	300	331	331	0		7.92	330
MALANA (IPP) HPS(2 * 43)	86	84	69	0		1.84	77
OTHER HYDRO HP(372)	372	312	282	0		6.99	291
Total HYDEL	758	727	682			16.75	698
WIND	0	0	0	0			
BIOMASS	0	0	0	0			
SOLAR(1 * 18.9)	19	0	0	0			
SMALL HYDRO(486)	486	576	534	0		13.55	565
Total SMALL HYDRO	486	576	534			13.55	565
Total HP	1,263	1,303	1,216			30.3	1,263

J&K(UT) & LADAKH(UT)

Station/Constituents	Inst. Capacity	20:00	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/NAPTHA/DIESEL	190	0	0			0	0
BAGLIHAR (IPP) HPS(6 * 150)	900	0	0	0		21.16	882
OTHER HYDRO/IPP J&K(308)	308	0	0	0		1.85	77
Total HYDEL	1,208	0	0			23.01	959
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			23.01	959

PUNJAB

Station/Constituents	Inst. Capacity	20:00	03:00	Day Peak		Day Energy	AVG. MW
	(MW)	Peak MW	Off Peak MW	(MW)	Hrs	(MU)	
GOINDWAL(GVK)(2 * 270)	540	290	290	491		7.51	313
GURU GOBIND SINGH TPS (ROPAR)(4 * 210)	840	439	439	576		12.04	502
GURU HARGOBIND SINGH TPS (LEHRA MOHABBAT)(2 * 210 + 2 * 250)	920	658	677	839		17.47	728
RAJPURA(NPL) TPS(2 * 700)	1,400	1,290	1,010	1,320		28.7	1,196
TALWANDI SABO TPS(3 * 660)	1,980	1,098	1,239	1,841		31.54	1,314
Total THERMAL	5,680	3,775	3,655			97.26	4,053
ANANADPUR SAHIB HYDRO PLANT(2 * 33.5 + 2 * 33.5)	134	118	118	118		2.88	120
MUKERIAN HYDRO PLANT(6 * 15 + 6 * 19.5 + 2 * 9)	225	193	198	211		4.59	191
RANJIT SAGAR POWER PLANT (4 * 150)	600	450	360	450		9.14	381
SHANAN(4 * 15 + 1 * 50)	110	110	110	110		2.63	110
UBDC(3 * 15 + 3 * 15.5)	92	82	81	82		1.96	82
OTHER HYDRO PUNJAB	0	0	0	0		2.38	99
Total HYDEL	1,161	953	867			23.58	983
WIND	0	0	0	0			
BIOMASS(303)	303	0	0	0		3.32	138
SOLAR(859)	859	0	0	541		3.96	165
Total PUNJAB	8,003	4,728	4,522			128.12	5,339

RAJASTHAN

Station/Constituents	Inst. Capacity	20:00	03:00	Day Peak		Day Energy	AVG. MW
	(MW)	Peak MW	Off Peak MW	(MW)	Hrs	(MU)	
BARSINGSAR (IPP) LTPS(2 * 125)	250	170	222	0		4.63	193
CHHABRA TPS(2 * 660 + 4 * 250)	2,320	1,373	1,406	0		32.3	1,346
GIRAL (IPP) LTPS(2 * 125)	250	0	0	0			
KALISINDH TPS(2 * 600)	1,200	898	821	0		19.82	826
KAWAI TPS(2 * 660)	1,320	998	911	0		23.87	995
KOTA TPS(2 * 110 + 2 * 195 + 3 * 210)	1,240	465	416	0		11.73	489
RAJWEST (IPP) LTPS(8 * 135)	1,080	711	825	0		18.05	752
SURATGARH TPS (6 * 250)	1,500	0	0	0		0	0
VSLPP (IPP)(1 * 135)	135	120	109	0		2.74	114
Total THERMAL	9,295	4,735	4,710			113.14	4,715
DHOLPUR GPS(3 * 110)	330	0	0	0			
RAMGARH GPS(1 * 110 + 1 * 35.5 + 1 * 50 + 2 * 37.5)	271	81	83	0		1.99	83
Total GAS/NAPTHA/DIESEL	601	81	83			1.99	83
RAPS-A(1 * 100 + 1 * 200)	300	147	158	0		3.49	145
Total NUCLEAR	300	147	158			3.49	145
TOTAL HYDRO RAJASTHAN(550)	550	0	0	0			
Total HYDEL	550	0	0			0	0
WIND	4,292	455	1,767	0		23.44	977
BIOMASS(102)	102	27	27	0		0.64	27
SOLAR(3045)	3,045	14	0	0		18.56	773
Total RAJASTHAN	18,185	5,459	6,745			161.26	6,720

UTTAR PRADESH

Station/Constituents	Inst. Capacity	20:00	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	1,359	1,370	0		31	1,292
ANPARA-C TPS(2 * 600)	1,200	1,082	1,027	0		22	917
ANPARA-D TPS(2 * 500)	1,000	468	467	0		10.5	438
BAJAJ ENERGY PVT LTD (IPP) TPS(10 * 45)	450	0	0	0			
BARA PPGCL TPS(3 * 660)	1,980	1,162	1,189	0		22.7	946
HARDUAGANJ TPS(1 * 105 + 1 * 60 + 2 * 250)	665	449	374	0		8.3	346
LALITPUR TPS(3 * 660)	1,980	1,385	1,120	0		26.9	1,121
MEJA TPS(1 * 660)	660	485	549	0		10	417
OBRA TPS (2 * 94 + 5 * 200)	1,188	632	534	0		11.9	496
PARICHA TPS(2 * 110 + 2 * 210 + 2 * 250)	1,380	0	0	0			
ROSA TPS(4 * 300)	1,200	1,074	1,083	0		19.2	800
TANDA TPS(4 * 110)	440	285	376	0		6.4	267
Total THERMAL	13,773	8,381	8,089			168.9	7,040
ALAKHANANDA HEP(4 * 82.5)	330	345	591	0		8.2	342
VISHNUPARYAG HPS(4 * 110)	440	396	436	0		10.3	429
OTHER HYDRO UP(527)	527	145	139	0		3.4	142
Total HYDEL	1,297	886	1,166			21.9	913
WIND	0	0	0	0			
BIOMASS(26)	26	0	0	0			
SOLAR(798)	798	0	0	0		3.2	133
CO-GENERATION(1360)	1,360	25	25	0		0.6	25
Total OTHERs	1,360	25	25			0.6	25
Total UP	17,254	9,292	9,280			194.6	8,111

UTTARAKHAND

Station/Constituents	Inst. Capacity	20:00	03:00	Day Peak		Day Energy	AVG. MW
	(MW)	Peak MW	Off Peak MW	(MW)	Hrs	(MU)	
TOTAL GAS UK(675)	675	0	0	0			
Total GAS/NAPTHA/DIESEL	675	0	0			0	0
OTHER HYDRO UK(1250)	1,250	841	890	896	09:00	20.76	865
Total HYDEL	1,250	841	890			20.76	865
WIND	0	0	0	0			
BIOMASS(127)	127	0	0	0			
SOLAR(100)	100	0	0	84	14:00	0.63	26
SMALL HYDRO(180)	180	0	0	0			
Total SMALL HYDRO	180	0	0			0	0
Total UTTARAKHAND	2,332	841	890			21.39	891

3(B) Regional Entities Generation

Station/Constituents	Inst. Capacity	Declared Capacity	20:00	03:00	Day Peak		Day Energy		AVG. MW	UI
	(MW)	(MW)	Peak MW	Off Peak MW	(MW)	Hrs	SCHD (MU)	ACT (MU)		
Aravali Power Company Private Ltd										
ISTPP (JHAJJAR)(3 * 500)	1,500	1,414	0	0	0	-	0	0.16	7	0.16
Sub-Total	1,500	1,414	0	0	-	-	0	0.16	7	0.16
BBMB										
BHAKRA HPS(2 * 108 + 3 * 126 + 5 * 157)	1,379	1,312	1,332	935	1,332	20:00	24.05	24.24	1,010	0.19
DEHAR HPS(6 * 165)	990	630	645	600	645	20:00	14.29	14.56	607	0.27
PONG HPS(6 * 66)	396	364	370	190	370	20:00	6.32	6.37	265	0.05
Sub-Total	2,765	2,306	2,347	1,725	-	-	44.66	45.17	1,882	0.51
NHPC										
BAIRASIUL HPS(3 * 60)	180	122	122	121	122	21:00	2.59	2.68	112	0.09
CHAMERA HPS(3 * 180)	540	555	540	536	542	21:00	12.8	12.87	536	0.07
CHAMERA II HPS(3 * 100)	300	100	100	100	101	08:00	2.36	2.38	99	0.02
CHAMERA III HPS(3 * 77)	231	240	237	236	238	22:00	5.65	5.64	235	-0.01
DHAULIGANGA HPS(4 * 70)	280	292	293	287	295	22:00	6.76	6.93	289	0.17
DULHASTI HPS(3 * 130)	390	405	397	396	397	20:00	9.25	9.33	389	0.08
KISHANGANGA(3 * 110)	330	223	225	221	225	20:00	5.29	5.33	222	0.04
PARBATI III HEP(4 * 130)	520	520	511	26	511	20:00	4.13	4.25	177	0.12
PARBATI-II(4 * 200)(Infirm)	800	-	108	95	108	23:59	-	2.11	88	2.11
SALAL HPS(6 * 115)	690	683	721	708	721	15:00	16.66	17.07	711	0.41
SEWA-II HPS(3 * 40)	120	131	125	121	125	21:00	1.8	1.88	78	0.08
TANAKPUR HPS(1 * 31.42 + 2 * 31.4)	94	80	96	96	97	12:00	2.15	2.28	95	0.13
URI HPS(4 * 120)	480	480	0	0	0	-	11.54	11.52	480	-0.02
URI-II HPS(4 * 60)	240	237	246	246	246	18:00	5.73	5.84	243	0.11
Sub-Total	5,195	4,068	3,721	3,189	-	-	86.71	90.11	3,754	3.4
NPCL										
NAPS(2 * 220)	440	373	411	411	417	06:00	8.95	8.92	372	-0.03
RAPS-B(2 * 220)	440	332	380	379	382	23:00	7.97	8.02	334	0.05
RAPS-C(2 * 220)	440	403	443	442	443	17:00	9.67	9.72	405	0.05
Sub-Total	1,320	1,108	1,234	1,232	-	-	26.59	26.66	1,111	0.07
NTPC										
ANTA GPS(1 * 153.2 + 3 * 88.71)	419	394	0	0	0	-	0	0.02	1	0.02
AURAIYA GPS(2 * 109.3 + 4 * 111.19)	663	318	211	191	213	16:00	4.56	4.55	190	-0.01
DADRI GPS(2 * 154.51 + 4 * 130.19)	830	375	234	229	256	22:00	5.78	5.61	234	-0.17
DADRI SOLAR(5)	5	5	0	0	4	12:00	0.01	0.02	1	0.01
DADRI-I TPS(4 * 210)	840	769	0	0	0	-	0	-	-	0
DADRI-II TPS(2 * 490)	980	924	254	254	254	20:00	6.15	6.28	262	0.13
KOLDAM HPS(4 * 200)	800	872	872	874	874	10:00	20.93	20.93	872	0
RIHAND-I STPS(2 * 500)	1,000	870	960	977	960	20:00	21.18	21.15	881	-0.03
RIHAND-II STPS(2 * 500)	1,000	938	997	1,005	997	20:00	22.5	22.62	943	0.12
RIHAND-III STPS(2 * 500)	1,000	938	987	1,009	987	20:00	22.5	22.62	943	0.12
SINGRAULI STPS(2 * 500 + 5 * 200)	2,000	1,630	1,809	1,748	1,809	20:00	38.11	38.45	1,602	0.34
SINGRAULI SOLAR(15)	15	15	0	0	0	-	0.05	0.05	2	0
TANDA TPS STAGE-II(1 * 660)	660	622	659	642	659	20:00	13.85	13.62	568	-0.23
UNCHAHAR I(2 * 210)	420	382	114	129	114	20:00	2.75	2.69	112	-0.06
UNCHAHAR II TPS(2 * 210)	420	382	288	257	288	20:00	5.45	5.55	231	0.1
UNCHAHAR III TPS(1 * 210)	210	191	135	130	135	20:00	2.74	3.12	130	0.38
UNCHAHAR IV TPS(1 * 500)	500	471	339	275	339	20:00	6.89	6.88	287	-0.01
UNCHAHAR SOLAR(10)	10	10	0	0	0	-	0.04	0.04	2	0
Sub-Total	11,772	10,106	7,859	7,720	-	-	173.49	174.2	7,261	0.71
SJVNL										
NATHPA-JHAKRI HPS(6 * 250)	1,500	1,605	1,643	1,641	1,643	20:00	38.52	38.93	1,622	0.41
RAMPUR HEP(6 * 68.67)	412	442	445	445	447	10:00	10.6	10.71	446	0.11
Sub-Total	1,912	2,047	2,088	2,086	-	-	49.12	49.64	2,068	0.52
THDC										
KOTESHWAR HPS(4 * 100)	400	408	409	302	409	20:00	6.61	6.76	282	0.15
TEHRI HPS(4 * 250)	1,000	512	514	520	520	03:00	12.29	12.33	514	0.04
Sub-Total	1,400	920	923	822	-	-	18.9	19.09	796	0.19
Total	25,864	21,969	18,172	16,774			399.47	405.03	16,879	5.56

IPP/JV

Station/Constituents	Inst. Capacity	Declared Capacity	20:00	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	230	192	232	22:00	4.55	5.05	210	0.5
BUDHIL HPS (IPP)(2 * 35)	70	0	71	71	71	01:00	1.66	1.69	70	0.03
KARCHAM WANGTOO HPS(4 * 250)	1,000	0	1,100	825	1,100	19:30	25.81	25.87	1,078	0.06
MALANA2(2 * 50)	100	0	101	80	101	20:00	0	2.23	93	2.23
SAINJ HEP(2 * 50)	100	0	110	110	110	20:30	2.59	2.6	108	0.01
SHREE CEMENT (IPP) TPS(2 * 150)	300	0	0	0	0	-	0	-	-	0
Sub-Total	1,762	0	1,612	1,278	-	-	34.61	37.44	1,559	2.83
SOLAR IPP										
ACME CHITTORGARH SOLAR ENERGY PVT LTD(1 * 250)	250	250	0	0	198	12:16	1.45	1.6	67	0.15
ADANI RENEWABLE ENERGY RJ LIMITED (ARERJL)(1 * 200)	200	200	0	0	208	12:45	1.4	1.63	68	0.23
AZURE POWER INDIA PVT LTD.(4 * 50)	200	200	0	0	185	12:15	1.26	1.47	61	0.21
AZURE POWER THIRTY FOUR PRIVATE LTD(1 * 130)	130	130	0	0	127	15:12	0.95	1.06	44	0.11
CLEAN SOLAR POWER (BHADLA) PVT LTD(1 * 300)	300	300	0	0	300	13:10	2.26	2.56	107	0.3
M/S KILAJ SOLAR (MAHARASHTRA) PRIVATE LIMITED(1 * 50)	50	50	0	0	52	12:45	0.37	0.42	18	0.05
RENEW SOLAR POWER PVT LTD(50)	50	50	0	0	0	-	0.39	1.35	56	0.96
RENEW SOLAR POWER PVT LTD. BIKANER(1 * 250)	250	250	0	0	244	12:10	1.58	1.35	56	-0.23
SB ENERGY FOUR PVT LTD(2 * 100)	200	200	0	0	200	12:50	1.52	1.57	65	0.05
TATA POWER RENEWABLE ENERGY LTD(1 * 150)	150	150	0	0	0	-	1.05	1.19	50	0.14
Sub-Total	1,780	1,780	0	0	-	-	12.23	14.2	592	1.97
Total	3,542	1,780	1,612	1,278			46.84	51.64	2,151	4.8

Summary Section

	Inst. Capacity	PEAK	OFF-PEAK	Day Energy	Day AVG.
Total State Control Area Generation	55,313	25,054	25,761	635.3	26,476
J. Net Inter Regional Exchange [Import (+ve)/Export (-ve)]		11,889	13,302	284.9	18,824
Total Regional Availability(Gross)	84,719	56,727	57,115	1,376.87	64,330

Total Hydro Generation

	Inst. Capacity	PEAK	OFF-PEAK	Day Energy	Day AVG.
Regional Entities Hydro	13,534	11,563	9,974	262.38	10,931
State Control Area Hydro	6,289	3,443	3,642	106.92	4,456
Total Regional Hydro	19,823	15,006	13,616	369.3	15,387

Total Renewable Generation

	Inst. Capacity	PEAK	OFF-PEAK	Day Energy	Day AVG.
Regional Entities Renewable	1,810	0	0	14.31	597
State Control Area Renewable	10,651	1,107	2,363	68.78	2,866
Total Regional Renewable	12,461	1,107	2,363	83.09	3,463

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

SL.No.	Element	20:00	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	0.96	-0.96
3	132KV-Rihand-Sonnagar (PG)	-	-	-	-	0	0.47	-0.47
4	220KV-Pusauli (PG)-Sahupuri(UP)	97	74	79	0	1.73	0	1.73
5	400KV-Biharsharif (PG)-Balia(PG)	201	176	245	0	4.88	0	4.88
6	400KV-Biharsharif (PG)-Varanasi(PG)	-14	20	135	37	1.49	0	1.49
7	400KV-Motihari (DMT)-Gorakhpur(UP)	323	216	333	0	5.69	0	5.69
8	400KV-Muzaffarpur (PG)-Gorakhpur(UP)	523	500	634	0	13.61	0	13.61
9	400KV-Patna (PG)-Balia(PG)	885	672	950	0	19.99	0	19.99
10	400KV-Sasaram-Allahabad (PG)	108	99	149	0	2.79	0	2.79
11	400KV-Sasaram-Varanasi (PG)	-288	-291	295	0	9.82	0	9.82
12	765KV-Fatehpur (PG)-Sasaram.	-163	-54	77	163	0	0.46	-0.46
13	765KV-Gaya (PG)-Balia(PG)	312	198	344	0	4.81	0	4.81
14	765KV-Gaya (PG)-Varanasi(PG)	-369	-138	418	0	6.58	0	6.58
15	HVDC800KV-Alipurduar-Agra (PG)	1,000	1,000	1,000	0	23.57	0	23.57
Sub-Total EAST REGION		2,615	2,472	4,659	200	94.96	1.89	93.07
Import/Export between NORTH_EAST REGION and NORTH REGION								
1	HVDC800KV-BiswanathCharialli-Agra (PG)	500	500	500	0	11.86	0	11.86
Sub-Total NORTH_EAST REGION		500	500	500	0	11.86	0	11.86

Import/Export between WEST REGION and NORTH REGION								
1	220KV-Auraiya (NT)-Malanpur(PG)	-28	-51	-	167	0	1.67	-1.67
2	220KV-Bhanpur-Modak	44	56	81	-	1.27	0	1.27
3	220KV-Ranpur-Bhanpur	37	44	81	-	1.1	0	1.1
4	400KV-RAPS C (NP)-Sujalpur	271	155	381	-	3.85	0	3.85
5	400KV-Vindhyachal (PG)-Rihand(NT)	933	956	-	961	0	22.62	-22.62
6	400KV-Zerda (PG)-Bhinmal(PG)	66	-175	235	196	0	0.67	-0.67
7	400KV-Zerda (PG)-Kankroli(RJ)	-130	47	130	97	0	0.43	-0.43
8	765KV-0rai-Gwalior (PG)	-288	-323	-	-369	0	7.14	-7.14
9	765KV-0rai-Jabalpur	1,567	1,300	1,832	-	28.06	0	28.06
10	765KV-0rai-Satna	1,323	1,299	1,420	-	30.34	0	30.34
11	765KV-Chittorgarh-Banaskata D/C	-424	-353	1,162	9	7.03	0	7.03
12	765KV-Gwalior (PG)-Agra(PG)	2,140	1,571	2,403	0	39.87	0	39.87
13	765KV-Phagi (RJ)-Gwalior(PG)	812	756	1,148	-	18.9	0	18.9
14	HVDC500KV-Mundra (JH)-Mohindergarh(JH)	1,201	1,798	1,803	0	34.17	0	34.17
15	HVDC500KV-Vindhyachal (PG)-Vindhaychal B/B	-250	250	500	-250	2.66	3.47	-0.81
16	HVDC800KV-Champa (PG)-Kurukshetra(PG)(PG)	1,500	3,000	3,500	0	48.72	0	48.72
Sub-Total WEST REGION		8,774	10,330	14,676	811	215.97	36	179.97
TOTAL IR EXCHANGE		11,889	13,302	19,835	1,011	322.79	37.89	284.9

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

	ISGS/(LT+MT) Schedule	BILT Schedule	PX Schedule	RTM Schedule	Total IR Schedule	Total IR Actual	NET IR UI
NR-ER	59.88	7.95	1.76	0.58	70.17	93.07	22.9
NR-WR	168.93	70.56	-20.73	1.11	219.87	179.97	-39.9
Total	228.81	78.51	-18.97	1.69	290.04	284.9	-5.14

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)	18	0	0	24	0	0.21	-0.21

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	10.4	63.6	84.1	4.8	.7	0	5.5

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

Maximum		Minimum		Average	Freq Variation	Standard	Freq. in 15 mnt blk		Freq Dev Index
Frequency	Time	Frequency	Time	Frequency	Index	Deviation	Max.	Min.	(% of Time)
50.14	13:01:50	49.81	13:46:30	49.98	0.036	0.055	50.04	49.88	0.00

6.Voltage Profile: 400kV

	Maximum		Minimum		Voltage (in %)				Voltage Deviation Index
					< 380	< 390	> 420	> 430	(% of time)
Abdullapur(PG) - 400KV	413	08:00	397	23:35	0	0	0	0	0
Amritsar(PG) - 400KV	407	08:05	396	14:40	0	0	0	0	0
Ballabgarh(PG) - 400KV	415	08:00	397	22:15	0	0	0	0	0
Bareilly II(PG) - 400KV	415	06:15	396	22:15	0	0	0	0	0
Bareilly(UP) - 400KV	416	08:05	397	22:15	0	0	0	0	0
Baspa(HP) - 400KV	401	01:50	397	21:40	0	0	0	0	0
Bassi(PG) - 400KV	420	18:00	395	22:15	0	0	0	0	0
Bawana(DTL) - 400KV	412	08:00	394	22:20	0	0	0	0	0
Dadri HVDC(PG). - 400KV	417	18:00	401	22:20	0	0	0	0	0
Gorakhpur(PG) - 400KV	417	06:00	393	22:05	0	0	0	0	0
Hisar(PG) - 400KV	413	08:00	397	23:35	0	0	0	0	0
Kanpur(PG) - 400KV	416	18:00	394	15:00	11.81	11.81	0	0	11.81
Kashipur(UT) - 400KV	419	08:05	409	22:15	0	0	0	0	0
Kishenpur(PG) - 400KV	414	04:00	408	21:05	0	0	0	0	0
Moga(PG) - 400KV	407	08:00	395	22:20	0	0	0	0	0
Nallagarh(PG) - 400KV	401	01:50	397	21:40	0	0	0	0	0
Rihand HVDC(PG) - 400KV	404	13:00	399	00:40	0	0	0	0	0

Rihand(NT) - 400KV	403	13:00	398	00:45	1.04	1.04	0	0	1.04

6.1 Voltage Profile: 765kV

	Maximum		Minimum		Voltage (in %)				Voltage Deviation Index
					< 728	< 742	> 800	> 820	
Anta RS(RJ) - 765KV	791	18:05	768	00:00	0	0	0	0	0
Balia(PG) - 765KV	781	06:00	749	22:15	0	0	0	0	0
Bareilly II(PG) - 765KV	792	08:05	755	22:15	0	0	0	0	0
Bhiwani(PG) - 765KV	795	18:00	764	22:10	0	0	0	0	0
Fatehpur(PG) - 765KV	784	08:00	750	22:15	0	0	0	0	0
Jhatikara(PG) - 765KV	792	08:00	756	22:20	0	0	0	0	0
Lucknow II(PG) - 765KV	789	06:05	752	22:15	0	0	0	0	0
Meerut(PG) - 765KV	796	08:05	762	22:15	0	0	0	0	0
Moga(PG) - 765KV	792	18:00	764	22:15	0	0	0	0	0
Phagi(RJ) - 765KV	794	18:00	761	22:10	0	0	0	0	0
Unnao(UP) - 765KV	778	13:00	746	22:15	0	0	0	0	0

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

State	Off- Peak Hours (03:00)					Peak Hours (20:00)				
	Bilateral (MW)	IEX (MW)	IEX RTM (MW)	PXIL (MW)	PXI RTM (MW)	Bilateral (MW)	IEX (MW)	IEX RTM (MW)	PXIL (MW)	PXI RTM (MW)
PUNJAB	1,689.11	396.16	0	0	0	1,689.11	346.64	0	0	0
HARYANA	541.9	149.19	0	0	0	495.09	305.38	0	0	0
RAJASTHAN	-347.06	39.31	0	0	0	-347.06	30.69	292.62	0	0
DELHI	1,408.53	-95.51	-35.16	0	0	921.61	-200.15	15.05	0	0
UTTAR PRADESH	2,577.09	163.73	0	0	0	2,260.72	-8.34	0	0	0
UTTARAKHAND	-275.21	0	0	0	0	-224.73	132.35	8.33	0	0
HIMACHAL PRADESH	-1,304.23	-335.46	0	0	0	-1,141.93	-377.75	0	0	0
J&K(UT) & LADAKH(UT)	-68.37	-1,359.65	-50.36	0	0	-70.61	-608.52	-302.15	0	0
CHANDIGARH	0	-15.07	0	0	0	0	-10.05	0	0	0
TOTAL	4,221.76	-1,057.3	-85.52	0	0	3,582.2	-389.75	13.85	0	0

State	Day Energy (MU)				
	ISGS/(LT+MT) Schedule	BILT Schedule	PX Schedule	RTM Schedule	Total (MU)
PUNJAB	96.79	40.54	11.08	0	148.4
HARYANA	122.44	12.15	4.07	1.79	140.45
RAJASTHAN	91.23	-8.34	5.81	3.02	91.7
DELHI	64.82	30.37	-3.7	0.33	91.81
UTTAR PRADESH	161.36	37.99	-1.38	-0.41	197.56
UTTARAKHAND	22.14	-5.7	1.58	0.03	18.05
HIMACHAL PRADESH	34.66	-25.77	-9.76	-0.11	-0.98
J&K(UT) & LADAKH(UT)	44.99	-1.71	-19.84	-3.13	20.3
CHANDIGARH	6.47	0	-0.09	0	6.38
TOTAL	644.9	79.53	-12.23	1.52	713.67

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	3,464.16	3,165.02	1,689.11	1,689.11	544.72	346.64	0	0
HARYANA	2,552.4	2,331.08	541.9	492.63	663.08	115.98	0	0
RAJASTHAN	3,455.02	2,918.71	-347.06	-348.1	1,036.81	25.52	0	0
DELHI	2,195.34	1,817.43	1,668.96	759.69	326.83	-573.73	0	0
UTTAR PRADESH	5,444	3,939.79	2,629.05	770.71	625.88	-1,728.96	0	0
UTTARAKHAND	890.01	727.93	-224.73	-275.21	190.2	0	0	0
HIMACHAL PRADESH	1,528.68	1,338.16	-831.17	-1,405.46	-190.81	-670.85	0	0
J&K(UT) & Ladakh(UT)	2,045.36	1,803.54	-67.87	-75.34	-457.45	-1,359.65	0	0
CHANDIGARH	295.06	233.98	0	0	49.02	-60.28	0	0

State	IEX RTM (MW)		PXI RTM (MW)	
	Maximum	Minimum	Maximum	Minimum
PUNJAB	0	0	0	0
HARYANA	344.89	0	0	0
RAJASTHAN	634.01	0	0	0
DELHI	148.56	-100.46	0	0
UTTAR PRADESH	343.14	-507.41	0	0
UTTARAKHAND	8.33	0	0	0
HIMACHAL PRADESH	0	-15.18	0	0
J&K(UT) & LADAKH(UT)	0	-302.15	0	0
CHANDIGARH	0	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	478.86	434	488.96	700	1,009.35	877.82
Chamera-I	748.75	760	753.95	756.18	-	-	-	-	0
Gandhisagar	381	399.9	725	-	-	-	-	-	0
Jawahar Sagar	295.78	298.7	2.01	-	-	-	-	-	0
Koteshwar	598.5	612.5	610.73	610.93	5	609.99	5	444	445.89
Pong	384.05	426.72	1,084	406.89	398	405.48	352	238.12	428.01
RPS	343.81	352.8	175.66	-	-	-	-	-	0
RSD	487.91	527.91	390.3	512.4	240	511.66	240	225.2	403.02
Rihand	252.98	268.22	860.5	-	-	-	-	-	0
Tehri	740.04	829.79	1,291.49	744.44	21	741.51	7	401.49	444
TOTAL	-	-	-	-	1,098	-	1,304	2,318.16	2,598.74

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

10. Zero Crossing Violations

State	No. of violations(Maximum 8 in a day)	Maximum number of continuous blocks without sign change
CHANDIGARH	4	39
DELHI	5	38
HARYANA	0	12
HIMACHAL PRADESH	2	32
J&K(UT) & Ladakh(UT)	2	18
PUNJAB	0	9
RAJASTHAN	1	20
UTTAR PRADESH	0	9
UTTARAKHAND	5	27

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 :

16.Tripping of lines in pooling stations :

17.Complete generation loss in a generating station :

18.Remarks :

No Records Found

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 23-Jun-2020

Date of Reporting:24-Jun-2020

1. Regional Availability/Demand:

Evening Peak (20:00) MW				Off-Peak (03:00) MW				/Day Energy(Net MU)	
मांग पूरती/ Demand Met	अभाव/Shortage	आवश्यकता/ Requirement	आवृतती/Freq (Hz)	मांग पूरती/ Demand Met	अभाव/Shortage	आवश्यकता/ Requirement	आवृतती/Freq (Hz)	मांग पूरती/Demand Met	अभाव/Shortage
40,689	0	40,689	49.95	37,941	0	37,941	49.86	994.6	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	55.5	1.9	0	0	0	57.4	12.5	11.6	-0.9	69	69	0	69
DADRA AND NAGAR HAVELI	-	0	0	0	0	0	12.7	12.9	0.2	12.9	12.9	0	12.9
DAMAN AND DIU	-	0	0	0	0	0	5	5.3	0.3	5.3	5.3	0	5.3
AMNSIL	10.9	0	0	0	0	10.9	5	4.9	-0.1	15.8	15.8	0	15.8
GOA	0.4	0	0	0	0	0.4	8.5	8.3	-0.2	8.7	8.7	0	8.7
GUJARAT	178.8	0.5	21.1	10.3	0.5	211.2	97.2	100.1	2.9	311.3	311.3	0	311.3
MADHYA PRADESH	30.3	19.4	15.7	4.7	0	70.1	103.5	101	-2.5	171.1	171.1	0	171.1
MAHARASHTRA	178.9	22.8	33.8	6.2	0	241.7	157.4	158.8	1.4	400.5	400.5	0	400.5
Region	454.8	44.6	70.6	21.2	0.5	591.7	401.8	402.9	1.1	994.6	994.6	0	994.6

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

राज्य/State	Evening Peak (20:00) MW			Off-Peak (03:00) MW			/Day Energy(Net MU)	
	मांग पूरती/ Demand Met	अभाव/ Shortage	आवश्यकता/ Requirement at Evening peak	मांग पूरती/ Demand Met	अभाव/ Shortage	आवश्यकता/ Requirement at Off-Peak	पूरवानुमान/ForeCast(MU)	वचिलन/Deviation[Forecast -Consumption] (MU)
CHHATTISGARH	3,000	0	3,000	2,632	0	2,632	69.03	0.03
DADRA AND NAGAR HAVELI	541	0	541	506	0	506	13.22	0.32
DAMAN AND DIU	211	0	211	204	0	204	5.2	-0.1
AMNSIL	655	0	655	737	0	737	2	-13.8
GOA	406	0	406	307	0	307	9.46	0.76
GUJARAT	12,427	0	12,427	11,866	0	11,866	307.25	-4.05
MADHYA PRADESH	7,325	0	7,325	7,213	0	7,213	176.81	5.71
MAHARASHTRA	16,124	0	16,124	14,476	0	14,476	377.53	-22.97
Region	40,689	0	40,689	37,941	0	37,941	960.5	-34.1

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 पूरती/Maximum Demand Met of the day	समय/Time	अभाव/Shortage at maximum demand	आवश्यकता/Requirement at the max demand met of the day	मांग पूरती/ Demand Met at maximum requiremnet	बजे/Time	अभाव/Shortage at maximum Requirement	अधिकतम आवश्यकता/Maximu Requirement of the day
CHHATTISGARH	3,020	19:00	0	3,020	3,020	19:00	0	3,020
DADRA AND NAGAR HAVELI	566	18:00	0	566	566	18:00	0	566
DAMAN AND DIU	244	15:00	0	244	244	15:00	0	244
AMNSIL	743	07:00	0	743	743	07:00	0	743
GOA	406	20:00	0	406	406	20:00	0	406
GUJARAT	14,740	15:00	0	14,740	14,740	15:00	0	14,740
MADHYA PRADESH	7,657	08:00	0	7,657	7,657	08:00	0	7,657
MAHARASHTRA	18,294	12:00	0	18,294	18,294	12:00	0	18,294
WR	43,812	15:00	0	43,812	43,812	15:00	0	43,812

3(A) State Entities Generation:

CHHATTISGARH

सटेशन/ Station/Constituents	सथापति कषमेता/Inst. Capacity	20:00	03:00	Day Peak		Day Energy	AVG. MW
	(MW)	Peak MW	Off Peak MW	(MW)	Hrs	(MU)	
KORBA EAST EXT(DSPM)	500	421	420	470	10:47	10.61	442
KORBA(E)	240	168	159	170	20:55	3.75	156
KORBA(W) CSETCL	1,340	1,151	1,145	1,161	13:22	17.31	721
MARWA TPS	1,000	452	321	458	19:56	9.03	376
OTHER THERMAL	900	0	0	0	-	14.78	616
TOTAL THERMAL	3,980	2,192	2,045	-	-	55.48	2,311
HASDEO BANGO	120	80	80	118	18:03	1.95	81
TOTAL HYDEL	120	80	80	-	-	1.95	81
WIND	0	0	0	0	-	0	0
SOLAR	176	13	14	31	15:55	0.04	2
TOTAL CHHATTISGARH	4,276	-	-	-	-	57.47	2,394

GUJARAT

स्टेशन/ Station/Constituents	स्थापित क्षमता/Inst. Capacity	20:00	03:00	Day Peak		Day Energy	AVG. MW
	(MW)	Peak MW	Off Peak MW	(MW)	Hrs	(MU)	
ALTPS	250	44	27	50	12:47	1.59	66
APL MUNDRA	4,620	2,663	1,807	2,901	23:40	55.67	2,320
GANDHINAGAR(GTPS)	630	0	0	0	00:00	0	0
KLTPS	290	71	71	74	13:01	1.72	72
SLPP	500	456	468	484	15:14	11.32	472
STPS	500	379	467	523	07:17	10.19	425
SUGEN 1	1,147.5	910	705	1,046	23:29	19.6	817
UKAI	1,110	453	595	714	03:52	14.06	586
WANAKBORI	2,270	5	5	5	00:00	0.12	5
DGBP	594	81	82	97	06:01	1.42	59
ESSAR POWER GAS	515	0	0	0	-	0	0
GIPCL STG	310	0	0	0	00:00	1.44	60
GSEC	507	95	129	130	06:04	3.01	125
UNOSUGEN	382.5	121	121	121	02:11	5.93	247
UTRAN STG II	375	289	361	367	07:44	8.17	340
OTHER THERMAL	700	0	0	0	-	44.51	1,855
TOTAL THERMAL	14,701	5,567	4,838	-	-	178.75	7,449
KADANA	240	0	0	0	00:00	0.11	5
UKAI HYDRO	300	2	1	69	16:24	0.25	10
OTHER HYDRO	232	0	0	0	-	0.17	7
TOTAL HYDEL	772	2	1	-	-	0.53	22
WIND	5,691	1,208	632	1,844	17:59	21.06	878
SOLAR	1,681	1	1	1,355	11:51	10.31	430
OTHER GUJARAT	1	0	0	0	-	0.51	21
TOTAL OTHERS	1	0	0	-	-	0.51	21
TOTAL GUJARAT	22,846	-	-	-	-	211.16	8,800

MADHYA PRADESH

स्टेशन/ Station/Constituents	स्थापित क्षमता/Inst. Capacity	20:00	03:00	Day Peak		Day Energy	AVG. MW
	(MW)	Peak MW	Off Peak MW	(MW)	Hrs	(MU)	
AMARKANTAK	210	203	0	214	22:36	2.73	114
JP BINA	500	161	164	167	13:47	3.87	161
SANJAY GANDHI TPS	1,340	726	695	825	21:30	15.68	653
SATPURA II	1,330	420	281	509	01:01	8.46	353
SINGAJI	2,520	0	0	0	00:00	0.01	0
OTHER THERMAL	800	0	0	0	-	-0.43	-18
TOTAL THERMAL	6,700	1,510	1,140	-	-	30.32	1,263
INDIRASAGAR	1,000	226	549	741	22:27	7.53	314
OMKARESHWAR	520	260	446	449	03:10	6.54	273
OTHER HYDRO	1,546	0	0	0	-	5.33	222
TOTAL HYDEL	3,066	486	995	-	-	19.4	809
WIND	2,436	577	1,106	1,130	01:56	15.65	652
SOLAR	1,529	0	0	819	13:44	4.68	195
OTHER MADHYA PRADESH	1	0	0	0	-	0	0
TOTAL OTHERS	1	0	0	-	-	0	0
TOTAL MADHYA PRADESH	13,732	-	-	-	-	70.05	2,919

MAHARASHTRA

सटेशन/ Station/Constituents	संथापित कषमता/Inst. Capacity	20:00	03:00	Day Peak		Day Energy	AVG. MW
	(MW)	Peak MW	Off Peak MW	(MW)	Hrs	(MU)	
APML TIRODA	3,300	1,198	1,228	1,241	03:32	30.4	1,267
BHUSAWAL	1,210	0	0	0	00:00	0	0
CHANDRAPUR	2,920	2,268	2,287	2,330	23:00	57.76	2,407
DAHANU	500	499	375	504	22:54	11.22	468
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	605	614	792	21:51	16.66	694
KHAPARKHEDA	1,340	1,075	984	1,098	15:55	23.92	997
KORADI	2,400	0	0	0	00:00	0	0
NASIK	630	0	0	0	00:00	0	0
PARAS	500	409	-5	437	23:55	3.36	140
PARLI	1,170	0	0	0	00:00	0	0
TROMBAY	1,430	616	597	676	14:29	10.62	443
URAN	672	138	138	138	00:00	3.07	128
OTHER THERMAL	1,000	0	0	0	-	18.42	768
TOTAL THERMAL	20,192	6,954	6,364	-	-	178.93	7,458
BHIRA	150	102	4	150	19:48	0.25	10
BHIRA PSS	250	163	0	164	14:56	1.8	75
BHIVPURI	75	71	71	71	05:31	1.53	64
GHATGHAR	250	0	0	0	00:00	0	0
KHOPOLI	72	24	8	24	20:59	0.34	14
KOYNA I AND II	600	464	62	480	15:39	5.91	246
KOYNA III	320	236	81	315	20:16	3.21	134
KOYNA ST-IV	1,000	730	-11	749	15:53	6.5	271
OTHER HYDRO	100	0	0	0	-	3.27	136
TOTAL HYDEL	2,817	1,790	215	-	-	22.81	950
WIND	4,769	898	1,096	1,257	17:46	33.77	1,407
SOLAR	1,305	21	-2	785	12:17	6.21	259
OTHER MAHARASHTRA	1	0	0	0	-	0	0
TOTAL OTHERS	1	0	0	-	-	0	0
TOTAL MAHARASHTRA	29,084	-	-	-	-	241.72	10,074

3(B) Regional Entities Generation

ISGS

सटेशन/ Station/Constituents	संथापित कषमता/ Inst. Capacity	20:00	03:00	Day Peak		Day Energy		AVG. MW
	(MW)	Peak MW	Off Peak MW	(MW)	Hrs	SCHD (MU)	ACT (MU)	
CGPL	4,150	3,597	3,728	3,758	14:03	88.72	87.97	3,665
GADARWARA	800	0	0	0	00:00	0	0	0
GANDHAR	657	190	173	203	20:28	3.06	4.11	171
KAPS	440	371	379	383	06:31	9.36	8.95	373
KAWAS	656.2	148	141	150	20:34	3.17	3.32	138
KHARGONE	1,320	-2	-7	5	11:51	0	-0.09	-4
KORBA III	500	498	492	502	09:48	11.2	11.73	489
KSTPS	2,100	1,745	1,748	1,780	00:54	42.49	41.92	1,747
LARA	800	-29	5	238	11:22	0	0.54	23
MOUDA I	1,000	0	0	0	00:00	0	0	0
MOUDA II	1,320	0	0	0	00:00	0	0	0
NSPCL	500	455	446	465	20:40	9.69	9.49	395
RGPPL	1,944	314	308	347	14:42	7.4	6.66	278
SASAN	3,960	2,964	3,753	3,804	15:57	85.9	87.59	3,650
SIPAT I	1,980	1,680	1,930	1,935	07:17	43.16	44.04	1,835
SIPAT II	1,000	964	950	973	03:49	22.5	22.87	953
SOLAPUR STPS	660	-3	-4	-2	07:28	0	-0.16	-7
SSP(RBPH+CHPH)	1,450	1,152	1,114	1,156	11:00	27.21	27.18	1,133
TARAPUR I	320	139	140	142	11:41	3.48	3.35	140
TARAPUR II	1,080	988	993	1,004	04:48	23.64	23.8	992
VSTPS I	1,260	1,019	844	1,075	20:53	23.64	23.7	988
VSTPS II	1,000	784	817	1,009	21:40	22.31	22.94	956
VSTPS III	1,000	985	834	1,003	00:48	17.43	17.9	746
VSTPS IV	1,000	942	953	970	18:45	22.5	22.73	947
VSTPS V	500	468	488	500	03:44	11.13	11.32	472
SUB-TOTAL	31,397.2	19,369	20,225	-	-	477.99	481.86	20,080
TOTAL	31,397.2	-	-			477.99	481.86	20,080

IPP/JV

स्टेशन/ Station/Constituents	स्थापित क्षमता/ Inst. Capacity	20:00	03:00	Day Peak		Day Energy		AVG. MW
	(MW)	Peak MW	Off Peak MW	(MW)	Hrs	SCHD (MU)	ACT (MU)	
ACBIL	330	162	157	178	14:42	4.1	3.75	156
BALCO	1,200	313	322	421	22:31	8.16	7.92	330
DB POWER	1,200	797	797	1,116	21:11	24.62	20.02	834
DCPP	540	0	0	0	00:00	0	0	0
DGEN	1,200	373	323	389	23:48	6.85	6.93	289
DHARIWAL CTU	300	276	249	279	21:26	6.27	6.3	263
ESSAR(MAHAN)	1,200	946	646	995	23:37	18.51	18.6	775
GMR WARORA	600	257	375	414	04:27	7.67	8.05	335
JHABUA POWER	600	318	335	561	22:52	9.32	9.04	377
JP NIGRIE	1,320	1,264	891	1,275	19:51	22.39	22.85	952
JPL STG-I	1,000	68	46	194	23:08	1.18	1.39	58
JPL STG-II	2,400	1,119	868	1,136	23:36	21.29	22.06	919
KSK MAHANADI	1,800	1,508	1,116	1,702	23:21	29.1	29.36	1,223
LANCO	600	504	524	524	02:41	11.29	11.41	475
MB POWER	1,200	749	606	1,142	20:59	13.7	13.79	575
REGL	600	513	498	525	02:50	10.94	10.05	419
REL	1,370	602	389	611	20:06	10.8	11.05	460
RKM POWER	1,440	252	242	302	00:00	5.5	5.53	230
SKS POWER	600	242	163	275	20:46	5.03	5.02	209
TRN ENERGY	600	166	163	166	20:00	3.84	3.92	163
SUB-TOTAL	20,100	10,429	8,710	-	-	220.56	217.04	9,042
TOTAL	20,100	-	-			220.56	217.04	9,042

RENEWABLE

स्टेशन/ Station/Constituents	स्थापित क्षमता/ Inst. Capacity	20:00	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	205	13:11	1.03	1.15	48
ARINSUN SOLAR (BARSAITADESH)	250	-1	-1	237	13:08	1.1	1.29	54
MAHINDRA SOLAR (BADWAR)	250	-1	0	242	11:13	1.01	1.21	50
AGEMPL	176.4	112	27	119	19:16	0.66	0.58	24
GIWEL-II WIND (VADVA)	250	51	40	98	18:39	0.87	0.6	25
GIWEL-III WIND (NARANPAR)	226.8	81	46	107	18:52	0.96	0.72	30
IWISL WIND (DAYAPAR)	200	50	18	90	19:15	0.4	0.36	15
OSTRO WIND (KUTCH)	250	44	42	160	18:30	0.95	0.78	33
RENEW WIND (BHUVAD)	184.5	5	5	5	00:00	0.85	0.12	5
TOTAL	2,037.7	-	-			7.83	6.81	284

REGIONAL GENERATION SUMMARY

	THERMAL GEN MU	SOLAR GEN MU	WIND GEN MU	HYDRO GEN MU	OTHER GEN MU	TOTAL GEN MU	SCHEDULE MU
ISGS	418.58	-	-	27.18	36.1	481.86	477.99
IPP	217.04	-	-	-	-	217.04	220.56
Constituents	454.8	21.2	70.6	44.6	0.5	591.7	592.8
Renewables	-	3.65	3.16	-	-	6.81	7.83
Region	1,090.42	24.85	73.76	71.78	36.6	1,297.41	1,299.18

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

SL.No.	Element	20:00	03:00	अधिकतम पस्पर विनिमय/Maximum Interchange (MW)		आयात/Import in MU	नरि्यात/Export in MU	शुद्ध विनिमय/NET
		(MW)	MW	आयात/Import (MW)	नरि्यात/Export (MW)			
	EAST REGION WEST REGION / /Import/Export between EAST REGION and WEST REGION							
1	220KV-KORBA-BUDIPADAR	-164	-171	-	-192	0	-3.25	-3.25
2	220KV-RAIGARH-BUDIPADAR	34	28	104	0	0.96	0	0.96
3	400KV-RAIGARH-JHARSUGUDA	-185	-244	7	-278	0	-3.48	-3.48
4	400KV-RAIGARH-ROURKELA	-	-	-	-	-	-	0
5	400KV-RAIGARH-STERLITE	-	-	-	-	-	-	0
6	400KV-SIPAT-RANCHI	-258	-225	21	-298	0	-4.64	-4.64
7	765KV-DHARJAYGARH-JHARSUGUDA	-947	-636	-	-1,289	0	-19.81	-19.81
8	765KV-DHARJAYGARH-RANCHI	-669	-421	227	-811	0	-9.61	-9.61
9	765KV-RAIPUR-PS (DURG)-JHARSUGUDA	-81	1	128	-111	0	-0.5	-0.5
	Sub-Total EAST REGION	-2,270	-1,668	487	-2,979	0.96	-41.29	-40.33
	NORTH REGION WEST REGION / /Import/Export between NORTH REGION and WEST REGION							
1	132KV-GWALIOR-SAWAI MADHOPUR	-	-	-	-	-	-	0
2	132KV-RAJGHAT-LALITPUR	0	0	-	0	0	0	0
3	220KV-BHANPURA-MODAK	-55	-55	-	-88	0	-1.29	-1.29
4	220KV-BHANPURA-RANPUR	11	11	11	-	0	-1.11	-1.11
5	220KV-MALANPUR-AURIYA	0	0	60	-12	1.66	0	1.66
6	220KV-MEHGAON-AURIYA	28	50	164	-	0.2	-0.01	0.19
7	400KV-KANSARI-BHINMAL	-194	173	195	-234	0.67	0	0.67
8	400KV-KANSARI-KANKROLI	-128	48	131	-168	0.43	0	0.43
9	400KV-SUJALPUR-RAPP	-316	-151	52	-437	0	-3.88	-3.88
10	400KV-VINDHYACHAL PS-RIHAND(III)	928	961	964	-	22.39	0	22.39

NORTH REGION WEST REGION / /Import/Export between NORTH REGION and WEST REGION								
11	765KV-BANASKANTHA-CHITTORGARH	-693	-348	131	-961	0	-7.36	-7.36
12	765KV-GWALIOR-AGRA	-2,154	-1,609	-	-2,496	0	-39.54	-39.54
13	765KV-GWALIOR-JAIPUR	-969	-698	-	-1,262	0	-19.89	-19.89
14	765KV-GWALIOR-ORAI	289	253	372	-	7.14	0	7.14
15	765KV-JABALPUR-ORAI	-776	-554	-	-932	0	-28.06	-28.06
16	765KV-SATNA-ORAI	-1,342	-1,227	-	-1,460	0	-30.34	-30.34
17	HVDC400KV-VINDYACHAL(PS)-RIHAND	227	-245	229	-485	0.8	0	0.8
18	HVDC500KV-MUNDRA-MOHINDARGARH	-1,166	-1,730	-	-1,734	0	-34.17	-34.17
19	HVDC800KV-CHAMPA-KURUKSHETRA	-750	-1,500	-	-1,754	0	-50.95	-50.95
Sub-Total NORTH REGION		-7,060	-6,621	2,309	-12,023	33.29	-216.6	-183.31
SOUTH REGION WEST REGION / /Import/Export between SOUTH REGION and WEST REGION								
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	84	59	-	95	1.73	0	1.73
5	400KV-KOLHAPUR GIS-NARENDRA KUDGI	157	107	561	-286	4.82	0	4.82
6	765KV-SOLAPUR-RAICHUR	-1,015	-1,227	-	-2,700	0	-26.08	-26.08
7	765KV-WARDHA-NIZAMABAD	-1,400	-1,513	-	-2,756	0	-36.92	-36.92
8	HVDC400KV-BARSUR-L.SILERU	-	-	-	-	-	-	0
9	HVDC400KV-BHADRAWATI-RAMAGUNDAM	-989	-515	-	-992	0	-5.81	-5.81
10	HVDC800KV-RAIGARH-GIS-HVDC-PUGALUR	0	0	-	0	0	0	0
Sub-Total SOUTH REGION		-3,162	-3,088	562	-6,639	6.58	-68.81	-62.23
TOTAL IR EXCHANGE		-12,492	-11,377	3,358	-21,641	40.83	-326.7	-285.87

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

	JSGS/(LT+MT) शैड्यूल/Schedule	BILT शैड्यूल/Schedule	PX शैड्यूल/Schedule	RTM शैड्यूल/Schedule	Total IR कुल शैड्यूल/Schedule	Total IR वास्तविक/Actual	NET IR UI
WR-SR	-65.35	-3.44	-0.3	-0.02	-69.11	-62.23	6.88
WR-NR	-168.93	-70.56	20.73	-1.11	-219.87	-183.31	36.56
WR-ER*	-1.4	0.32	2.57	-3.3	-1.81	-40.33	-38.52
Total	-235.68	-73.68	23	-4.43	-290.79	-285.87	4.92

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	10.40	84.10	5.50

Percentage of Time Frequency Remained outside IEGC Band	15.9
No. of hours frequency outside IEGC Band	3.816

अधिकतम /Maximum		न्यूनतम/Minimum		औसत/Average	Freq Variation	Standard	Freq. in 15 mnt blk	
Frequency	Time	Frequency	Time	Frequency	Index	Deviation	Max.	Min.
50.14	13:01:50	49.81	13:46:30	49.98	0.036	0.055	50.04	49.88

6.वोल्टेज प्रोफाइल/Voltage Profile: 400kV

	अधिकतम/Maximum		न्यूनतम/Minimum		वभिवांतर/Voltage (in %)			Hours Volatge Outside IEGC Range(VDI)
STATION	VOLTAGE	TIME	VOLTAGE	TIME	< 380	IEGC Band (A)	> 420	(100-A)*24/100
AMRELI - 400KV	421.78	04:01	414.7	11:37	0	93.1	6.9	1.7
ASOJ - 400KV	416.01	04:41	404.32	14:39	0	100	0	0
BHILAI - 400KV	417.15	03:32	412.35	07:16	0	100	0	0
BHOPAL - 400KV	415	04:02	405.13	22:18	0	100	0	0
BOISAR - 400KV	423.8	04:35	407.39	11:41	0	79.4	20.6	4.9
DEHGAM - 400KV	420.18	04:42	0	10:40	34.8	64.9	.3	8.4
DHULE - 400KV	434.11	19:32	410.62	06:25	0	6.2	93.8	22.5
DAMOH - 400KV	424.55	18:04	414.59	14:57	0	44	56	13.5
GPEC - 400KV	431.92	04:45	420.17	10:27	0	0	100	24
GWALIOR - 400KV	414.48	04:01	396.22	20:18	0	100	0	0
HAZIRA - 400KV	419.88	21:26	406.36	12:04	0	100	0	0
INDORE - 400KV	415.36	04:02	403.97	14:33	0	100	0	0
ITARSI - 400KV	413.25	03:32	403.29	15:33	0	100	0	0
JETPUR - 400KV	415.83	20:05	408.78	11:37	0	100	0	0
KALA - 400KV	422.46	04:32	406.45	10:24	0	83.8	16.2	3.9
KALWA - 400KV	435.16	03:57	408.97	11:37	0	37.4	62.6	15
KARAD - 400KV	433.13	23:28	408.17	10:26	0	45.6	54.4	13.1
KASOR - 400KV	418.8	18:09	410.12	14:39	0	100	0	0
KHANDWA - 400KV	418.52	03:34	407.98	14:33	0	100	0	0
MAGARWADA - 400KV	424.4	04:45	407.33	11:37	0	67.2	32.8	7.9
MAPUSA - 400KV	430.83	23:27	390.4	09:49	0	56.3	43.7	10.5
NAGDA - 400KV	417.65	04:01	0	10:35	57.4	42.6	0	13.8
NEW KOYNA - 400KV	431.97	23:27	410.42	11:38	0	41.5	58.5	14
PARLI - 400KV	427.99	23:25	395.85	09:50	0	58	42	10.1
RAIPUR - 400KV	422.9	03:32	418.01	22:14	0	54.9	45.1	10.8
RAIGARH - 400KV	430.01	04:42	423.91	07:19	0	0	100	24
VAPI - 400KV	417.35	20:23	406.22	00:00	0	100	0	0
WARDHA - 400KV	422.78	02:25	406.96	06:30	0	60.6	39.4	9.5

	/Maximum		/Minimum		/Voltage (in %)			Hours Voltage Outside IEGC Range(VDI)
STATION	VOLTAGE	TIME	VOLTAGE	TIME	< 728	IEGC Band (A)	> 800	(100-A)*24/100
BINA - 765KV	789.94	04:00	768.31	22:11	0	100	0	0
DURG - 765KV	775.01	00:00	765.81	10:00	0	100	0	0
GWALIOR - 765KV	793	08:06	766.07	20:17	0	100	0	0
INDORE - 765KV	773.92	04:02	752.86	14:44	0	100	0	0
KOTRA - 765KV	785.88	13:02	774.26	06:26	0	100	0	0
SASAN - 765KV	776.25	04:00	764.65	22:14	0	100	0	0
SATNA - 765KV	782.36	03:10	766.51	20:17	0	100	0	0
SEONI - 765KV	787	03:30	763	07:16	0	100	0	0
SIPAT - 765KV	778.06	18:01	764.28	07:12	0	100	0	0
TAMNAR - 765KV	786.73	13:03	775.55	06:26	0	100	0	0
VADODARA - 765KV	789.3	19:31	766.24	06:26	0	100	0	0
WARDHA - 765KV	783.36	03:30	750.83	07:17	0	100	0	0

7(A).Power Energy/Schedule Details

State	Off- Peak Hours (03:00)					Peak Hours (20:00)				
	Bilateral (MW)	IEX (MW)	IEX RTM (MW)	PXIL (MW)	PXI RTM (MW)	Bilateral (MW)	IEX (MW)	IEX RTM (MW)	PXIL (MW)	PXI RTM (MW)
CHHATTISGARH	-3.97	-215.01	-152.13	0	0	-3.97	-83.16	-202.84	0	0
DADRA AND NAGAR HAVELI	0	19.62	0	0	0	0	0	0	0	0
DAMAN AND DIU	0	0	0	0	0	0	0	0	0	0
AMNSIL	7.91	212.53	0	0	0	7.91	207.58	0	0	0
GOA	49.89	-110.44	0	0	0	69.61	15.78	0	0	0
GUJARAT	0	907.49	0	0	0	-234.44	512.99	0.09	0	0
MADHYA PRADESH	-1,410.52	-75.87	0	0	0	-486.19	-77.95	0	0	0
MAHARASHTRA	0.1	1,267.42	0	0	0	-0.96	748.9	-2.23	0	0

State	Day Energy (MU)				
	ISGS/(LT+MT) Schedule	BILT Schedule	PX Schedule	RTM Schedule	Total (MU)
CHHATTISGARH	21.72	-0.1	-6.08	-3.02	12.52
DADRA AND NAGAR HAVELI	11.43	0	0.93	0.29	12.65
DAMAN AND DIU	4.95	0	0.03	0	4.98
AMNSIL	0	0.19	4.78	0	4.97
GOA	8.62	1.22	-1.37	0.02	8.49
GUJARAT	78.07	-1.31	20.77	-0.3	97.23
MADHYA PRADESH	126.5	-16.55	-3.63	-2.79	103.53
MAHARASHTRA	121.2	0.02	32.76	3.42	157.39

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	1,222.51	1,086.72	-3.97	-3.97	-73.02	-438.13	0	0
DADRA AND NAGAR HAVELI	532.19	422.52	0	0	88.29	0	0	0
DAMAN AND DIU	236.03	178.35	0	0	14.86	0	0	0
AMNSIL	0	0	7.91	7.91	212.53	177.93	0	0
GOA	336	324.42	69.61	19.77	23.66	-121.49	0	0
GUJARAT	4,742.29	4,081.13	0	-234.44	1,950.33	249.86	0	0
MADHYA PRADESH	4,865.47	4,009.1	-467.03	-1,410.52	-75.87	-608.31	0	0
MAHARASHTRA	4,744.93	4,236.35	4.71	-1.49	2,196.43	630.67	0	0

State	IEX RTM (MW)		PXI RTM (MW)	
	Maximum	Minimum	Maximum	Minimum
CHHATTISGARH	0	-202.84	0	0
DADRA AND NAGAR HAVELI	39.24	0	0	0
DAMAN AND DIU	0	0	0	0
AMNSIL	0	0	0	0
GOA	19.72	0	0	0
GUJARAT	34.98	-153.32	0	0
MADHYA PRADESH	0	-363.27	0	0
MAHARASHTRA	489.52	-58.01	0	0

8.Significant events (If any):

9.System Constraints (If any)

10. 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 23-Jun-2020

Date of Reporting:24-Jun-2020

1. Regional Availability/Demand:

Evening Peak (20:00) 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 #
37,302	-99	37,401	49.94	32,316	-231	32,547	49.86	900.81	0.98

* MW Availabilty 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 Deails (At State Periphery) in MUs:

STATE	State's Control Area Generation (Net MU)						Net SCH	Drawal	UI	Availability	Demand Met	Shortage #
	THERMAL	HYDRO	GAS/DIESEL/ NAPTHA	WIND	SOLAR	OTHERS	(Net Mu)	(Net Mu)	(Net Mu)	(Net MU)	(Net MU)	(Net MU)
ANDHRA PRADESH	64.14	5.06	9.23	33.51	14.99	0.85	49	48.81	-0.19	176.79	176.59	0.18
KARNATAKA	8.26	44.81	0	43.93	27.26	4.99	65.56	66.85	1.29	194.81	196.1	0.21
KERALA	0	19.43	0	0.45	0.34	0.14	44.34	44	-0.34	64.7	64.36	0.08
PONDICHERRY	-	-	-	-	-	-	8.26	7.65	-0.62	8.26	7.65	0.01
TAMILNADU	55.8	15.59	5.27	47.92	12.12	10.98	146.18	148.54	2.36	293.87	296.23	0.31
TELANGANA	40.7	0.59	0	0.99	18.81	1.42	96.92	97.37	0.45	159.43	159.88	0.19
Region	168.9	85.48	14.5	126.8	73.52	18.38	410.26	413.22	2.95	897.86	900.81	0.98

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 (20:00) 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	7,044	-18	7,062	6,288	-42	6,330	172	4.59
KARNATAKA	7,633	-21	7,654	6,386	-50	6,436	185	11.1
KERALA	3,178	-8	3,186	2,152	-18	2,170	62.35	2.01
PONDICHERRY	335	-1	336	285	-2	287	8.2	-0.56
TAMILNADU	12,622	-31	12,653	11,492	-73	11,565	304	-7.77
TELANGANA	6,490	-20	6,510	5,713	-46	5,759	157	2.88
Region	37,302	-99	37,401	32,316	-231	32,547	888.55	12.25

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 requiremnet	Time	Shortage(-) /Surplus(+) during at maximum Requirement	Maximum Requirement of the day
AP	8,640	15:00	0	8,640	8,640	15:00	0	8,640
KAR	9,982	10:00	0	9,982	9,982	10:00	0	9,982
KER	3,179	19:00	0	3,179	3,179	19:00	0	3,179
PONDY	368	22:15	-0.78	368.78	368	22:15	-0.78	368.78
TN	13,558	16:30	0	13,558	13,558	16:30	0	13,558
TG	7,663	12:58	0	7,663	7,663	12:58	0	7,663
Region	41,417	14:51:28	-55.605	41,472.605	41,417	14:51:28	-55.605	41,472.605

3(A) State Entities Generation:

ANDHRA PRADESH

Station/Constituents	Inst. Capacity	20:00	03:00	Day Peak		Day Energy	AVG. MW
	(MW)	Peak MW	Off Peak MW	(MW)	Hrs	(MU)	
HINDUJA POWER CORPORATION LTD(2 * 520)	1,040	807	744	836	23:13	17.16	715
KRISHNAPATTANAM (2 * 800)	1,600	1,390	1,052	1,401	19:49	27.53	1,147
RAYALASEEMA TPP(1 * 600 + 5 * 210)	1,650	0	0	0	0	0	0
VIJAYAWADA TPS(1 * 500 + 6 * 210)	1,760	1,016	742	1,038	20:06	19.45	810
OTHER THERMAL	0	0	0	0	0	-	0
Total THERMAL	6,050	3,213	2,538	-	-	64.14	2,672
HAMPI	0	0	0	0	0	-	0
LOWER SILERU(4 * 115)	460	208	201	308	12:28	3.2	133
SRISAILAM RBPH(7 * 110)	770	0	0	0	0	0	0
UPPER SILERU(4 * 60)	240	56	0	157	14:48	0.69	29
OTHER HYDEL	431	46	45	49	0	1.17	49
Total HYDEL	1,901	310	246	-	-	5.06	211
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	59	58	60	09:02	1.34	56
JEGRUPADU EXT.(1 * 220)	220	0	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	103	113	116	04:15	2.53	105
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	56	57	58	04:51	1.35	56
VEMAGIRI POWER GENERATION LTD.(GAS)(1 * 137 + 1 * 233)	370	0	0	0	0	0	0
VIJJESWARAM GTS(1 * 112.5 + 1 * 34 + 1 * 59.5 + 2 * 33)	272	166	165	170	04:02	4	167
OTHER GAS/NAPTHA/DIESEL	27	0	0	0	0	-	0

Total GAS/NAPTHA/DIESEL	3,036	384	393	-	-	9.22	384
WIND	4,179	1,124	1,747	2,190	01:08	33.51	1,396
SOLAR	2,882	0	0	2,012	10:57	14.99	625
OTHERS	619	71	73	97	04:02	0.85	35
Total AP	18,667	5,102	4,997	-	-	127.77	5,323

TELANGANA

Station/Constituents	Inst. Capacity	20:00	03:00	Day Peak		Day Energy	AVG. MW
	(MW)	Peak MW	Off Peak MW	(MW)	Hrs	(MU)	
BHADRADRI TPS(2 * 270)	540	0	0	0	0	0	0
KAKATIYA ST1&ST2(1 * 500 + 1 * 600)	1,100	459	352	482	16:48	9.93	414
KOTHAGUDEM TPS(1 * 500 + 1 * 800 + 2 * 250 + 2 * 120 + 3 * 60)	2,220	1,253	1,218	1,298	14:37	30.77	1,282
RAMAGUNDAM-B(1 * 62.5)	63	0	0	0	0	0	0
SINGARENI TPS(2 * 600)	1,200	0	0	0	0	0	0
Total THERMAL	5,123	1,712	1,570			40.7	1,696
NAGARJUNA SAGAR(1 * 110 + 7 * 100.8)	816	157	0	177	19:50	0.59	25
NAGARJUNA SAGAR (PUMP)(1 * 110 + 7 * 100.8)	816	0	0	42	0	1.01	42
SRISAILAM LBPH(6 * 150)	900	0	0	0	0	0	0
SRISAILAM LBPH(PUMP)(6 * 150)	900	0	0	0	0	0	0
OTHER HYDEL	757	0	0	0	0	0	0
Total HYDEL	2,473	157	0			0.59	25
WIND	128	0	0	41	0	0.99	41
SOLAR	3,484	0	0	2,493	12:33	18.81	784
OTHERS	252	0	0	59	0	1.42	59
Total TG	11,460	1,869	1,570			62.51	2,605

KARNATAKA

Station/Constituents	Inst. Capacity	20:00	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	0	0	0	0	0	0
JINDAL (2 * 130 + 4 * 300)	1,460	0	28	116	11:28	0.38	16
RAICHUR TPS(1 * 250 + 7 * 210)	1,720	338	343	363	00:16	7.88	328
UPCL(2 * 600)	1,200	0	0	0	0	0	0
YERAMARAS TPS(2 * 800)	1,600	0	0	0	0	0	0
Total THERMAL	7,680	338	371	-	-	8.26	344
NAGJHERI(1 * 135 + 5 * 150)	885	438	690	795	09:16	13.92	580
SHARAVATHI(10 * 103.5)	1,035	692	956	970	00:51	17.66	736
VARAHI UGPH(4 * 115)	460	339	169	347	07:10	4.44	185
OTHER HYDEL	2,137	612	258	612	04:24	8.79	366
Total HYDEL	4,517	2,081	2,073	-	-	44.81	1,867
OTHER GAS/NAPTHA/DIESEL	126	0	0	0	0	-	0
Total GAS/NAPTHA/DIESEL	126	0	0	-	-	0	0
WIND	4,741	2,188	1,540	2,387	17:39	43.93	1,830
SOLAR	3,191	0	0	2,989	11:35	27.26	1,136
OTHERS	1,832	25	31	1,344	04:03	4.99	1,344
Total KAR	22,087	4,632	4,015	-	-	129.25	6,521

KERALA

Station/Constituents	Inst. Capacity	20:00	03:00	Day Peak		Day Energy	AVG. MW
	(MW)	Peak MW	Off Peak MW	(MW)	Hrs	(MU)	
IDDUKKI(6 * 130)	780	460	415	488	13:46	10.65	444
LOWER PERIYAR (3 * 60)	180	144	44	148	19:14	0.87	36
SABARIGIRI(2 * 60 + 4 * 55)	340	123	0	171	21:07	1	42
OTHER HYDEL	734	409	197	409	00:03	6.9	288
Total HYDEL	2,034	1,136	656	-	-	19.42	810
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
KOZHIKODE DPP (DIESEL)(6 * 16)	96	0	0	0	0	0	0
MPS STEEL CASTINGS(1 * 10)	10	0	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	19	0	0.45	19
SOLAR	150	0	0	14	0	0.34	14
OTHERS	20	0	0	6	0	0.14	6
Total KER	3,030	1,136	656	-	-	20.35	849

TAMIL NADU

Station/Constituents	Inst. Capacity	20:00	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	619	613	635	16:45	14.62	609
NEYVELI-I (TN) - NLC(3 * 100 + 6 * 50)	600	158	152	170	19:32	1.44	60
NORTH CHENNAI TPS STG-II(2 * 600)	1,200	1,145	555	1,153	21:25	18.65	777
NORTH CHENNAI TPS(3 * 210)	630	201	179	204	19:32	4.45	185
ST - CMS(1 * 250)	250	251	0	256	20:28	2.11	88
TUTICORIN(5 * 210)	1,050	613	620	631	05:21	14.52	605
Total THERMAL	5,170	2,987	2,119			55.79	2,324
KADAMPARAI (4 * 100)	400	96	0	383	00:00	2.51	105
KADAMPARAI (PUMP)(4 * 100)	400	0	0	20	0	0.48	20
OTHER HYDEL	1,826	504	567	567	03:09	13.08	545
Total HYDEL	2,226	600	567			15.59	650
BASIN BRIDGE (NAPTHA)(4 * 30)	120	0	0	0	0	0	0
KOVIL KALAPPAL (GAS)(1 * 37.8 + 1 * 70)	108	26	26	26	04:02	0.58	24
KUTTALAM (GAS)(1 * 37 + 1 * 64)	101	45	45	47	04:02	1.12	47
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	93	04:02	2.21	92
OTHER GAS/NAPTHA/DIESEL	196	0	0	0	0	0	0
OTHER GAS/NAPTHA/DIESEL	166	122	120	122	04:02	1.37	57
Total GAS/NAPTHA/DIESEL	1,421	286	284			5.28	220
WIND	8,488	2,276	2,032	3,367	16:25	47.92	1,997
SOLAR	2,663	0	0	1,442	11:35	12.12	505
OTHERS	2,029	535	493	552	00:00	10.98	458
Total TN	21,997	6,684	5,495			147.68	6,154

3(B) Regional Entities Generation

ISGS

Station/Constituents	Inst. Capacity	20:00	03:00	Day Peak		Day Energy	AVG. MW
	(MW)	Peak MW	Off Peak MW	(MW)	Hrs	(MU)	
NNTPS INFIRM	500	-	-	-	-	-	-
NEYVELI TS II EXPN (2 * 250)	500	359	342	401	00:00	8.65	360
RAMAGUNDAM(3 * 200 + 4 * 500)	2,600	2,346	2,173	2,382	21:28	48.33	2,014
KUDGI(3 * 800)	2,400	0	0	0	0	0	0
TALCHER ST2(4 * 500)	2,000	1,849	1,774	1,880	20:46	43.91	1,830
NNTPS(500)	500	0	0	0	0	-	-
NEYVELI TS I EXPN (2 * 210)	420	381	399	411	13:34	9.44	393
NEYVELI TS II(7 * 210)	1,470	1,069	1,078	1,111	14:05	24.5	1,021
SIMHADRI STAGE II(2 * 500)	1,000	938	534	962	23:17	15.05	627
SIMHADRI STAGE I(2 * 500)	1,000	456	261	473	23:09	7.55	315
Total THERMAL	12,390	7,398	6,561	7,620	0	157.43	6,560
KAIGA STG2(2 * 220)	440	407	408	420	12:54	10.07	420
KAIGA STG1(2 * 220)	440	385	383	414	21:27	9.93	414
MAPS(2 * 220)	440	171	173	194	00:04	3.99	166
KUDANKULAM(2 * 1000)	2,000	1,001	1,016	1,089	16:23	22.78	949
Total NUCLEAR	3,320	1,964	1,980	2,117	0	46.77	1,949
Total ISGS	15,710	9,362	8,541			204.2	8,509

JOINT VENTURE

Station/Constituents	Inst. Capacity	20:00	03:00	Day Peak		Day Energy	AVG. MW
	(MW)	Peak MW	Off Peak MW	(MW)	Hrs	(MU)	
NTPL(2 * 500)	1,000	937	547	964	21:33	16.18	674
VALLUR TPS(3 * 500)	1,500	260	0	399	22:29	2.4	100
Total THERMAL	2,500	1,197	547	1,363	0	18.58	774
Total JOINT_VENTURE	2,500	1,197	547			18.58	774

IPP UNDER OPEN ACCESS

Station/Constituents	Inst. Capacity	20:00	03:00	Day Peak		Day Energy	AVG. MW
	(MW)	Peak MW	Off Peak MW	(MW)	Hrs	(MU)	
SIMHAPURI ENERGY PVT LTD(4 * 150)	600	0	0	0	0	0	0
IL&FS(2 * 600)	1,200	545	542	545	20:00	12.96	540
COASTAL ENERGY(2 * 600)	1,200	0	0	0	0	0	0
SEIL P2(2 * 660)	1,320	1,265	938	1,265	20:00	24.29	1,012
MEENAKSHI ENERGY LTD(2 * 150 + 2 * 350)	1,000	0	0	0	0	0	0
SEIL P1(2 * 660)	1,320	619	565	627	05:18	14.25	594
Total THERMAL	6,640	2,429	2,045	2,437	0	51.5	2,146
LKPPL ST2(1 * 133 + 1 * 233)	366	0	0	0	0	0	0
LKPPL ST3(2 * 133 + 2 * 233)	732	0	0	0	0	0	0
Total GAS/NAPTHA/DIESEL	1,098	0	0	0	0	0	0
Total REGIONAL_IPP	7,738	2,429	2,045			51.5	2,146

RENEWABLE WIND

Station/Constituents	Inst. Capacity	20:00	03:00	Day Peak		Day Energy	AVG. MW
	(MW)	Peak MW	Off Peak MW	(MW)	Hrs	(MU)	
BEETAM(1 * 250)	250	0	25	39	00:01	0.18	8
GREEN INFRA(1 * 249.90)	250	64	94	64	20:00	1.27	53
MYTRA(1 * 250)	250	0	0	0	0	0	0
ORANGE(1 * 200)	200	3	87	108	00:16	0.49	20
Total RENEWABLE_WIND	950	67	206			1.94	81

RENEWABLE SOLAR

Station/Constituents	Inst. Capacity	20:00	03:00	Day Peak		Day Energy	AVG. MW
	(MW)	Peak MW	Off Peak MW	(MW)	Hrs	(MU)	
NP_KUNTA							
ANP_ACME BIWADI(1 * 50)	50	0	0	27	0	0.32	27
ANP_ACME HISAR(1 * 50)	50	0	0	29	0	0.35	29
ANP_ACME KARNAL(1 * 50)	50	0	0	29	0	0.35	29
ANP_AZURE(1 * 50)	50	0	0	23	0	0.27	23
ANP_FRV1(1 * 50)	50	0	0	29	0	0.35	29
ANP_FRV2(1 * 50)	50	0	0	30	0	0.36	30
ANP_NTPC(5 * 50)	250	0	0	103	0	1.23	103
ANP_SBG ENERGY(5 * 50)	250	0	0	164	0	1.97	164
ANP_TATA(2 * 50)	100	0	0	52	0	0.62	52
PAVAGADA							
PVG_ ADYAH BLOCK 2(1 * 50)	50	0	0	33	0	0.4	33
PVG_ACME KURUKSHETHRA(1 * 50)	50	0	0	33	0	0.39	33
PVG_ACME RIWARI(1 * 50)	50	0	0	33	0	0.39	33
PVG_ADYAH BLOCK 1(1 * 50)	50	0	0	33	0	0.4	33
PVG_ADYAH BLOCK 10(1 * 50)	50	0	0	33	0	0.4	33
PVG_ADYAH BLOCK 13(1 * 50)	50	0	0	33	0	0.4	33
PVG_ADYAH BLOCK 3(1 * 50)	50	0	0	33	0	0.4	33
PVG_ADYAH BLOCK 6(1 * 50)	50	0	0	34	0	0.41	34
PVG_AVAADA SOLAR(3 * 50)	150	0	0	92	0	1.1	92
PVG_AVAADA SOLARISE(3 * 50)	150	0	0	89	0	1.07	89
PVG_AZURE POWER EARTH (2 * 50)	100	0	0	63	0	0.76	63
PVG_FORTUM FIN SURYA(2 * 50)	100	0	0	54	0	0.65	54
PVG_FORTUM SOLAR(5 * 50)	250	0	0	153	0	1.83	153
PVG_KREDL(1 * 50)	50	0	0	31	0	0.37	31
PVG_PARAMPUJYA(3 * 50)	150	0	0	93	0	1.11	93
PVG_RENEW TN2(1 * 50)	50	0	0	32	0	0.38	32
PVG_SBG ENERGY(4 * 50)	200	0	0	116	0	1.39	116
PVG_TATA RENEWABLES(8 * 50)	400	0	0	240	0	2.88	240
PVG_YARROW(1 * 50)	50	0	0	31	0	0.37	31
Total	2,950	0	0			20.92	1,745

Total ISGS IPP Thermal	21,530	11,024	9,153			227.51	
STATE THERMAL	24,023	8,250	6,598			168.89	
Total CPP Import							
Total ISGS & IPP Hydro							
HYDEL	13,151	4,284	3,542	-	-	85.47	
GAS/NAPTHA/DIESEL	6,423	670	677	-	-	14.5	
NUCLEAR	3,320	1,964	1,979	-	-	46.78	
WIND	18,603	5,655	5,524	-	-	128.74	
SOLAR	15,320	0	0	-	-	94.44	
OTHERS	4,752	631	597	-	-	45.64	

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

SL.No.	Element	20:00	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	0	0	0	-	0	0	0
2	220KV-UPPER_SILERU-BALIMELA	0	0	0	-	0	0	0
3	400KV-GAZUWAKA-JEYPORE	320	308	428	-	6.8	0	6.8
4	765KV-SRIKAKULAM-ANGUL	1,713	1,865	2,100	-	47.87	0	47.87
5	HVDC500KV-TALCHER-KOLAR_DC	1,969	1,480	1,975	-	43.41	0	43.41
	Sub-Total EAST REGION	4,002	3,653	4,503	0	98.08	0	98.08
	Import/Export between SOUTH REGION and WEST REGION							
1	220KV-AMBEWADI-XELDEM	88	59	-	96	0	1.78	-1.78
2	220KV-CHIKKODI-KOHLAPUR	0	0	0	-	0	0	0
3	400KV-BHADRAVTAHI-RAMAGUNDAM	935	494	950	-	18.01	0	18.01
4	400KV-KUDGI_PG-KHOLAPUR_PG	157	103	280	570	0	4.87	-4.87
5	765KV-NIZAMABAD-WARDHA	1,369	1,476	2,718	-	36.28	0	36.28
6	765KV-RAICHUR_PG-SHOLAPUR	998	1,247	2,719	-	26.92	0	26.92
7	HVDC800KV-RAIGARH HVDC-PUGALUR HVDC	0	0	0	-	0	0	0
	Sub-Total WEST REGION	3,547	3,379	6,667	666	81.21	6.65	74.56
	TOTAL IR EXCHANGE	7,549	7,032	11,170	666	179.29	6.65	172.64

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

	ISGS/(LT+MT) Schedule	BILT Schedule	PX Schedule	RTM Schedule	Total IR Schedule	Total IR Actual	NET IR UI
SR-ER	8.33	-9.43	42.27	4.11	45.28	54.167	8.89
SR-WR	65.35	3.44	0.3	0.02	69.11	76.34	7.23
Total	73.68	-5.99	42.57	4.13	114.39	130.507	16.12

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	10.42	84.11	36.3	5.47

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

Maximum		Minimum		Average	Freq Variation	Standard	Freq. in 15 mnt blk	
Frequency	Time	Frequency	Time	Frequency	Index	Deviation	Max.	Min.
50.141	13:01:50	49.809	13:46:30	49.975	0.036	0.055	50.04	49.88

6.Voltage Profile: 400kV

	Maximum		Minimum		Voltage (in %)			
STATION	VOLTAGE	TIME	VOLTAGE	TIME	< 380	< 390	> 420	> 430
GHANAPUR - 400KV	420	00:00	401	07:12	0	0	0	0
GOOTY - 400KV	429	18:02	398	10:42	0	0	49.931	0
HIRIYUR - 400KV	431	18:02	397	10:26	0	0	51.25	.069
KAIGA - 400KV	426	00:02	397	10:26	0	0	38.819	0
KOLAR_AC - 400KV	424	01:20	395	07:13	0	0	18.333	0
KUDANKULAM - 400KV	428	03:32	406	14:31	0	0	24.375	0
SHANKARAPALLY - 400KV	424	00:00	402	07:10	0	0	24.792	0
SOMANAHALLI - 400KV	423	01:24	390	10:26	0	0	14.028	0
SRIPERUMBADUR - 400KV	423	03:30	403	14:30	0	0	54.0	0
TRICHY - 400KV	412	03:32	390	14:33	0	.208	0	0
TRIVANDRUM - 400KV	427	03:47	397	14:37	0	0	16.875	0
VIJAYAWADA - 400KV	422	01:21	406	07:10	0	0	10.972	0

6.1 Voltage Profile: 220kV

	Maximum		Minimum		Voltage (in %)			
STATION	VOLTAGE	TIME	VOLTAGE	TIME	< 198	< 210	> 235	> 245
GHANAPUR - 220KV	233	00:00	220	10:53	0	0	0	0
GOOTY - 220KV	239	18:02	220	10:35	0	0	36.806	0
HIRIYUR - 220KV	234	18:02	213	10:36	0	0	0	0
KAIGA - 220KV	236	02:04	221	10:24	0	0	12.014	0
KOLAR_AC - 220KV	236	23:46	220	09:09	0	0	.833	0
KUDANKULAM - 220KV	242	03:34	228	14:19	0	0	36.25	0
SOMANAHALLI - 220KV	223	02:02	203	09:47	0	27.917	0	0
SRIPERUMBADUR - 220KV	233	20:02	222	10:45	0	0	0	0
TRICHY - 220KV	230	03:47	216	14:33	0	0	0	0
TRIVANDRUM - 220KV	237	03:32	220	14:29	0	0	9.792	0
VIJAYAWADA - 220KV	240	18:02	230	12:17	0	0	45.139	0

6.2 Voltage Profile: 765kV

	Maximum		Minimum		Voltage (in %)			
STATION	VOLTAGE	TIME	VOLTAGE	TIME	< 720	< 750	> 780	> 800
KURNOOL - 765KV	797	01:28	747	07:13	0	.69	48.75	0
NIZAMABAD - 765KV	790	00:00	751	07:05	0	0	46.94	0
RAICHUR_PG - 765KV	797	00:02	745	07:13	0	1.81	51.32	0
SRIKAKULAM - 765KV	794	18:03	756	07:14	0	0	52.85	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	330	0	241	2.83	4.88	35.51	128.52
IDUKKI	694.94	732.43	2,148	710.28	666	703	315	6.51	10.68	84.1	215.35
JALAPUT	818.39	838.4	534	829.3	212	827.17	165	1.59	1.59	40.11	31.81
N.SAGAR	149.3	179.9	1,398	161.73	207	154.81	0	0.66	0	19.96	7.28
SRISAILAM	243.84	270.7	1,392	247.22	33	245.73	18	0	0	0.41	0.48
SUPA	495	564	3,159	529.53	819	531.54	911	2.21	13.77	59.07	250.8
LINGANAMAKKI	522.73	554.5	4,557	536.17	803	531.63	413	11.41	19.71	193.58	366.62
KAKKI	908.3	981.45	916	939.96	125	931.49	71	1.62	0.7	29.85	21.47
TOTAL	-	-	15,608	-	3,195	-	2,134	26.83	51.33	462.59	1,023.36

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

State	Off- Peak Hours (03:00)					Peak Hours (20:00)				
	Bilateral (MW)	IEX (MW)	IEX RTM (MW)	PXIL (MW)	PXI RTM (MW)	Bilateral (MW)	IEX (MW)	IEX RTM (MW)	PXIL (MW)	PXI RTM (MW)
ANDHRA PRADESH	369.03	65.93	0	0	0	368.83	179.81	16.17	0	0
KARNATAKA	1.96	53.98	18.04	0	0	2.16	81.93	1.27	0	0
KERALA	-253.77	0	0	0	0	0	94.42	4.5	0	0
PONDICHERRY	0	0	0	0	0	0	0	0	0	0
TAMILNADU	1.92	155.46	-2.62	0	0	251.16	142.5	0	0	0
TELANGANA	10.03	1,283.87	496.3	0	0	10.03	2,026.69	177.43	0	0

State	Day Energy (MU)				
	ISGS/(LT+MT) Schedule	BILT Schedule	PX Schedule	RTM Schedule	Total (MU)
ANDHRA PRADESH	36.93	8.65	3.06	0.35	49
KARNATAKA	68.42	-3	0.17	-0.03	65.56
KERALA	45.74	-2.56	1.21	-0.05	44.34
PONDICHERRY	8.26	0	0	0	8.26
TAMILNADU	135.72	2.73	7.62	0.1	146.18
TELANGANA	53.99	0.25	34.22	8.46	96.92

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	1,796.87	1,049.6	369.03	272.03	180.69	19.51	0	0
KARNATAKA	2,282.21	649.99	2.45	-302.68	86.83	-540.78	0	0
KERALA	1,230.21	570.48	0	-341.3	112.79	-73.87	0	0
PONDICHERRY	405.25	278.82	0	0	0	0	0	0
TAMILNADU	3,612.21	2,978.04	342	-102.05	1,327.5	92.55	0	0
TELANGANA	1,448.74	1,137.69	12.05	10.03	2,511.66	481.16	0	0

State	IEX RTM (MW)		PXI RTM (MW)	
	Maximum	Minimum	Maximum	Minimum
ANDHRA PRADESH	118.88	0	0	0
KARNATAKA	18.04	-201.56	0	0
KERALA	8.71	-60.72	0	0
PONDICHERRY	0	0	0	0
TAMILNADU	490.23	-2.62	0	0
TELANGANA	803.84	9.86	0	0

9. Synchronisation of new generating units :

SL.NO	Station Name	Owner	Inst. Capacity (MW)	Date	Time

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

11.Significant events (If any):

12.System Constraints (If any)

13. 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 23-Jun-2020

Date of Reporting:24-Jun-2020

1. Regional Availability/Demand:

Evening Peak (20:00) 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 (-ve)
20902	-146	21048	49.89	18519	0	18519	49.85	436.03	-0.44

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

STATE	State's Control Area Generation (Net MU)							Net SCH	Drawal	UI	Availability	Require-ment	Shortage (-ve)	Consum-ption
	THERMAL	HYDRO	GAS/DIESEL/ NAPTHA	RENEW-ABLE	OTHERS	TOTAL	Units under	(Net Mu)	(Net Mu)	(Net Mu)	(Net MU)	(Net MU)	(Net MU)	(Net MU)
BIHAR	4.08	0	0	0.57	0	4.65	0	97.04	98.15	1.11	117.65	101.69	0	102.8
DVC	95.25	0.63	0	0	0	95.89	0	-34.82	-33.86	0.96	60.89	61.07	0	62.03
JHARKHAND	7.11	0.19	0	0	1.42	8.72	0	18.05	17.09	-0.96	26.72	26.77	-0.44	25.81
ODISHA	35.36	26.54	0	1.38	12.08	75.36	0	9.45	8.91	-0.54	91.36	84.81	0	84.27
SIKKIM	0	0	0	0	0	0	0	1.37	1.31	-0.06	2	1.37	0	1.31
WEST BENGAL	75.02	11.92	0	2.88	19.5	109.32	0	49.04	50.5	1.46	166.32	158.36	0	159.82
Region	216.82	39.28	0	4.83	33	293.94	0	140.13	142.1	1.97	464.94	434.07	-0.44	436.04

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

State	Evening Peak (20:00) 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(mus)	Deviation[Forecast -Consumption] (mus)
BIHAR	5327	0	5327	4823	0	4823		-102.797
DVC	2699	0	2699	2548	0	2548		-62.0253
JHARKHAND	1217	-146	1363	1122	0	1122		-25.808
ODISHA	3991	0	3991	3448	0	3448		-84.266
SIKKIM	74	0	74	39	0	39		-1.31
WEST BENGAL	7594	0	7594	6539	0	6539		-159.819
Region	20902	-146	21048	18519	0	18519	0	-436.0253

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	5420	22:08	0	5420
DVC	2818	19:40	0	2818

JHARKHAND	1327	19:26	-146	1473
ORISSA	4051	21:18	0	4051
SIKKIM	94	19:19	0	94
WEST BENGAL	7969	23:00	0	7969
Region	21248	23:00	N/A	21248

3(A) State Entities Generation:

BIHAR

Station/Constituents	Inst. Capacity	20:00	03:00	Day Peak		Day Energy	AVG. MW
	(MW)	Peak MW	Off Peak MW	(MW)	Hrs	(MU)	
BARAUNI TPS (2 * 110 + 1 * 250)	470	228	191	237	13:45	4.08	170
MUZAFFARPUR TPS (2 * 110)	220	0	0	0		0	0
Total THERMAL	690	228	191			4.08	170
DEHRI & OTHERS (1 * 13.3 + 7 * 1.65)	24.85						
KOSI (4 * 5)	20						
Total HYDEL	44.85	0	0			0	0
BIHAR_SOLAR	0					0.57	24
BIHAR SUGAR_MILL(1 * 14)	14	0	0	0		0	0
Total OTHERs	14	0	0			0	0
Total BIHAR	748.85	228	191			4.65	194

JHARKHAND

Station/Constituents	Inst. Capacity	20:00	03:00	Day Peak		Day Energy	AVG. MW
	(MW)	Peak MW	Off Peak MW	(MW)	Hrs	(MU)	
TENUGHAT (2 * 210)	420	300	300	300	00:00	7.11	296
Total THERMAL	420	300	300			7.11	296
SUBARNREKHA HPS (2 * 65)	130	0	0	0		0.19	8
Total HYDEL	130	0	0			0.19	8
OTHER CPP_IMPORT	0					1.42	59
Total CPP_IMPORT	0	0	0			1.42	59
Total JHARKHAND	550	300	300			8.72	363

DVC

Station/Constituents	Inst. Capacity	20:00	03:00	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	365	384	487	01:41	8.61	359
CHANDRAPURA TPS (2*250)	500	378	352	477	23:53	9.04	377
DURGAPUR STPS(2 * 500)	1000	734	590	861	23:34	15.3	638
KODERMA (2 * 500)	1000	962	948	972	10:13	22.09	920
MEJIA TPS(2 * 250 + 4 * 210)	1340	795	619	833	22:42	16.55	690
MEJIA TPS II (2 * 500)	1000	333	281	402	23:26	7.32	305
RTPS(2 * 600)	1200	750	684	754	20:05	16.34	681
WARIA TPS(1 * 210)	210	0	0	0		0	0
Total THERMAL	6960	4317	3858			95.25	3970
MAITHON HPS (1 * 23.2 + 2 * 20)	63.2	0	0	0		0	0

PANCHET HPS (2 * 40)	80	17	33	59	11:32	0.63	26
TILAIYA HPS (2 * 2)	4	0	0	0		0	0
Total HYDEL	147.2	17	33			0.63	26
Total DVC	7107.2	4334	3891			95.88	3996

ODISHA							
Station/Constituents	Inst. Capacity	20:00	03:00	Day Peak		Day Energy	AVG. MW
	(MW)	Peak MW	Off Peak MW	(MW)	Hrs	(MU)	
IB.TPS (2 * 210)	420	294	279	302	20:59	6.87	286
NAVA BHARAT VENTURES	95					0.28	12
OPGC(2 * 660)	1320	772	741	797	13:49	18.12	755
STERLITE(4 * 600)	2400	0	0	0		0	0
TALCHER TPS (2 * 110 + 4 * 62.5)	470	424	399	432	20:39	10.09	420
Total THERMAL	4705	1490	1419			35.36	1473
BALIMELA HPS (2 * 75 + 6 * 60)	510	299	187	305	18:07	6.39	266
BURLA HPS/HIRAKUD I (2 * 32 + 2 * 49.5 +	275.5	96	94	97	15:08	2.29	95
CHIPLIMA HPS / HIRAKUD II (3 * 24)	72	40	48	49	06:23	0.99	41
INDRAVATI (4 * 150)	600	563	99	593	22:26	8.24	343
MACHKUND(1 * 57.38)	57.38	31	31	31	04:32	0.58	24
MEENAKSHI POWER LTD(3X4 + 2X12.5)	37					0.91	38
ORISSA POWER CONSORTIUM LTD., SAMAL(OPCL)(4 x 5	20					0.25	10
RENGALI HPS (5 * 50)	250	143	145	147	06:38	3.33	139
U.KOLAB (4 * 80)	320	119	42	225	21:10	3.56	148
Total HYDEL	2141.88	1291	646			26.54	1104
ODISHA_SOLAR	0					1.38	58
GMR 3(1 * 350)	350					5.18	216
OTHER CPP_IMPORT(1 * 5173)	5173	528	644	644	11:33	6.89	287
Total CPP_IMPORT	5523	528	644			12.07	503
Total ORISSA	12369.88	3309	2709			75.35	3138

WEST BENGAL							
Station/Constituents	Inst. Capacity	20:00	03:00	Day Peak		Day Energy	AVG. MW
	(MW)	Peak MW	Off Peak MW	(MW)	Hrs	(MU)	
BAKRESHWAR(5 * 210)	1050	977	972	996	20:42	20.52	855
BANDEL TPS(1 * 210 + 4 * 82.5)	540	31	31	40	13:31	0.58	24
KOLAGHAT(6 * 210)	1260	136	268	299	08:04	4.63	193
SAGARDIGHI(2 * 300 + 2 * 500)	1600	1170	1170	1170	00:00	27.78	1158
SANTALDIH TPS(2 * 250)	500	232	232	232	00:00	5.57	232
TITAGARH(4 * 60)	240						
Total THERMAL	5190	2546	2673			59.08	2462
JALDHAKA HPS(2 * 4 + 3 * 9)	35	25	25	25	00:00	0.6	25
PURULIA PSP(G)(4 * 225)	900	623	0	880	21:15	3.4	142
PURULIA PSP(P)	0	0	0	0	18:50	-4.53	-189
RAMAM(4 * 12.5)	50	29	29	29	00:00	0.69	29
TISTA CANAL(9 * 7.5)	67.5	9	9	9	00:00	0.22	9
TLDP(8 * 40)	320	288	285	291	12:57	7.01	292
Total HYDEL	1372.5	974	348			11.92	497
WB_RE_GEN(1 * 250)	250	120	120	120	00:00	2.88	120
DPL(1 * 225 + 1 * 300)	525	236	238	244	23:31	4.72	197

HALDIA ENERGY LTD(2 * 300)	600					12.05	502
WB_CPP(1 * 631)	631	647	536	664	21:53	2.72	113
Total CPP_IMPORT	1756	883	774			19.49	812
Total WEST BENGAL	8568.5	4523	3915			93.37	3891

CESC							
Station/Constituents	Inst. Capacity	20:00	03:00	Day Peak		Day Energy	AVG. MW
	(MW)	Peak MW	Off Peak MW	(MW)	Hrs	(MU)	
BUDGE-BUDGE(3 * 250)	750	752	669	769	13:56	15.9	663
SOUTHERN(2 * 67.5)	135	0	2	3	03:10	0.05	2
Total THERMAL	885	752	671			15.95	665
Total CESC	885	752	671			15.95	665

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	20:00	03:00	Day Peak		Day Energy		
	(MW)	Peak MW	Off Peak MW	(MW)	Hrs	SCHD (MU)	ACT (MU)	AVG. MW
BHUTAN IMPORT								
CHUKA(4 * 84) BIRPARA RECEIPT	336	200	273	311	23:38	5.42	4.98	208
KURICHU HPC (4 * 15) SALAKATHI (NER RECEIPT)	60	156	156	156	20:00	0.61	1.99	83
MANGDECHHU(4 x 180) ALIPURDUAR RECEIPT	720	578	580	584	13:15	13.97	13.89	579
TALA(6 * 170) BINAGURI RECEIPT	1020	980	900	1007	23:16	24.17	24.32	1013
Sub-Total HYDEL	2136	1914	1909			44.17	45.18	1883
Sub-Total BHUTAN IMPORT	2136	1914	1909			44.17	45.18	1883
ERLDC								
TALCHER_SOLAR(1* 10)	10					0.03	0.03	1
Sub-Total SOLAR	10	0	0			0.03	0.03	1
IPP								
CHUZACHEN(2 * 49.5)	99	121	121	122	02:01	2.84	2.87	120
DIKCHU HEP(2 * 48)	96	115	117	122	02:41	2.49	2.66	111
JORETHANG(2 * 48)	96	103	103	103	23:06	2.49	2.46	103
TASHIDING(2 * 48)	96	110	104	114	07:54	2.51	2.62	109
TEESTA STG III HEP(6 * 200)	1200	1300	1300	1300	00:00	31.3	31.38	1308
Sub-Total HYDEL	1587	1749	1745			41.63	41.99	1751

ADHUNIK (2 * 270)	540	240	241	255	14:16	5.9	5.85	244
GKEL (2 * 350)	700	388	523	553	11:46	11.13	11.17	465
JITPL (2 * 600)	1200	553	562	568	17:49	13.3	13.35	556
MPL(2 * 525)	1050	1008	709	1014	21:22	17.29	17.56	732
Sub-Total THERMAL	3490	2189	2035			47.62	47.93	1997
Sub-Total IPP	5077	3938	3780			89.25	89.92	3748
NHPC								
RANGIT HPS (3 * 20)	60	60	60	61	15:09	1.43	1.43	60
TEESTA HPS (3 * 170)	510	519	504	522	19:43	12.16	12.39	516
Sub-Total HYDEL	570	579	564			13.59	13.82	576
Sub-Total NHPC	570	579	564			13.59	13.82	576
NPGC								
NSTPP	660	612	605	625	22:01	14.87	14.82	618
Sub-Total THERMAL	660	612	605			14.87	14.82	618
Sub-Total NPGC	660	612	605			14.87	14.82	618
NTPC								
BARH(2 * 660)	1320	1228	700	1248	19:03	20.38	20.5	854
DARLIPALLI STPP(1 * 800)	800	0	0	0		0	0	0
FSTPP ST-I & II(2 * 500 + 3 * 200)	1600	1180	742	1317	20:11	19.91	19.67	820
FSTPP ST-III(1 * 500)	500	487	276	487	20:00	7.6	7.53	314
KBUNL(2 * 195)	390	348	362	371	15:27	7.31	7.28	303
KHSTPP ST-I(4 * 210)	840	602	591	662	09:02	14.32	14.3	596
KHSTPP ST-II(3 * 500)	1500	1198	1100	1259	12:45	27.51	27.52	1147
NABINAGAR(2 * 250)	750	213	440	451	03:32	8.21	8.24	343
TALCHER STPS - I(2 * 500)	1000	911	877	942	22:33	21.8	21.36	890
TALCHER STPS - II(4 * 500)	2000	1849	1779	1883	23:21		43.89	1829
Sub-Total THERMAL	8700	6167	5088			127.04	126.4	5267
Sub-Total NTPC	8700	6167	5088			127.04	126.4	5267
Total	17153	13210	11946			288.95	290.17	12093

Total ISGS & IPP Thermal	12850	8968	7728			189.15	7881
Total State Thermal	18850	9633	9112			216.83	9036
Total CPP Import	7279	1411	1418			32.98	1374
Total ISGS & IPP Hydro	4419	4242	4218			100.99	4208
Total State Hydro	3836.43	2282	1027			39.28	1635
Renewable /Other	264	120	120			4.83	202
Net Inter Regional Exchange [Import(+ve)/Export(-ve)]		-4478	-3799			-115.67	-4820

REGIONAL TOTAL(GROSS)	47498.43	22178	19824			468.39	19516

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

SL.No.	Element	20:00	03:00	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		0.45	0	0.45
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	-98	-73		-98	0	-1.73	-1.73
6	400KV-BIHARSARIFF-BALIA	-216	-216		-293	0	-4.92	-4.92
7	400KV-BIHARSARIFF-VARANASI	-10	17	62	-149	0	-1.44	-1.44
8	400KV-MOTIHARI-GORAKHPUR	-306	-224		-325	0	-5.51	-5.51
9	400KV-MUZAFFARPUR-GORAKHPUR	-516	-510		-688	0	-13.11	-13.11
10	400KV-PATNA-BALIA	-891	-685		-1054	0	-18.83	-18.83
11	400KV-PUSAULI-VARANASI	-290	-300		-304	0	-6.38	-6.38
12	400KV-SASARAM-ALLAHABAD	-118	-106		-160	0	-2.79	-2.79
13	765KV-GAYA-BALIA	-323	-192	12	-368	0	-4.76	-4.76
14	765KV-GAYA-VARANASI	-350	-147	44	-460	0	-6.64	-6.64
15	765KV-SASARAM-FATEHPUR	132	49	181	-98	0.15	0	0.15
16	HVDC SASARAM	-397	-395		-399	0	-9.51	-9.51
17	HVDC500KV-ALIPURDUAR-AGRA	-1000	-1000		-1001	0	-24.28	-24.28
Sub-Total NORTH REGION		-3956	-3357	329	-4998	0.6	-90.39	-89.79
Import/Export between NORTH_EAST REGION and EAST REGION								
1	132KV-DEOTHANG-RANGIA					0	-1.14	-1.14
2	132KV-GEYLEGPHU-SALAKATI					0	-0.85	-0.85
3	220KV-ALIPURDUAR-SALAKATI	-78	-51	15	-83	0	-1.04	-1.04
4	400KV-ALIPURDUAR-BONGAIGAON	-272	0	126	-315	0	-1.18	-1.18
5	400KV-BINAGURI-BONGAIGAON	-303	-124		-328	0	-3.08	-3.08
Sub-Total NORTH_EAST REGION		-653	-175	141	-726	0	-7.29	-7.29
Import/Export between SOUTH REGION and EAST REGION								
1	220KV-BALIMELA-UPPER-SILERRU	1	1	1		0	0	0
2	765KV-ANGUL-SRIKAKULAM	-1684	-1866		-3017	0	-48.29	-48.29
3	GAZUWAKA HVDC	-320	-321		-437	0	-6.88	-6.88
4	TALCHER STG-II I/C	-125	298	344	-222	0.48	0	0.48
5	TALCHER-KOLAR BIPOLE	-1834	-1453		-1834	0	-43.41	-43.41
Sub-Total SOUTH REGION		-2128	-1888	345	-3676	0.48	-55.17	-54.69
Import/Export between WEST REGION and EAST REGION								

1	220KV-BUDHIPADAR-KORBA	159	168	191		3.17	0	3.17
2	220KV-BUDHIPADAR-RAIGARH	-34	-29	6	-102	0	-0.98	-0.98
3	400KV-JHARSUGUDA-RAIGARH	193	241	284	-28	3.48	0	3.48
4	400KV-NEW RANCHI-SIPAT(D/C)	253	209	296	-29	4.64	0	4.64
5	765KV-JHARSUGUDA-DHARMAJAYAGARH	947	622	1282		17.93	0	17.93
6	765KV-JHARSUGUDA-RAIPUR (DURG)	81	2	110	-124	0	-0.5	-0.5
7	765KV-NEW RANCHI-DHARMAJAYAGARH	660	408	794	-246	8.36	0	8.36
Sub-Total WEST REGION		2259	1621	2963	-529	37.58	-1.48	36.1
TOTAL IR EXCHANGE		-4478	-3799	3778	-9929	38.66	-154.33	-115.67

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

	ISGS/(LT+MT) Schedule	BILT Schedule	PX Schedule	RTM Schedule	Total IR Schedule	Total IR Actual	NET IR UI
ER-SR	-8.33	9.43	-42.27	-4.11	-45.28	-54.69	-9.41
ER-NR	-59.88	-7.95	-1.76	-0.58	-70.17	-89.79	-19.62
ER-WR	1.4	-0.32	-2.57	3.3	1.81	36.1	34.29
ER-NER	-5.71	4.63	4.86	-0.88	2.9	-7.29	-10.19
Total	-72.52	5.79	-41.74	-2.27	-110.74	-115.67	-4.93

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)
BHUTAN	47.11	45.18	1902.21	0	1882.5
NEPAL	-1.21	-1.36	-140	-2	-56.67
BANGLADESH	-22.05	-22.21	-963	-496	-925.46

Nepal Exchange	Actual Energy Exchange (In MU)	Day Peak (MW)	Day Min (MW)	Day Average (MW)
132KV- BIHAR- NEPAL	-0.194	-12.86	-0.3	-8
220KV- MUZAFFARPUR-DHALKEBAR DC	-1.36	-140	-2	-57

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	10.4	84.1	64.3	4.8	5.5	0

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

Maximum		Minimum		Average	Freq Variation	Standard	Freq. in 15 mnt blk	
Frequency	Time	Frequency	Time	Frequency	Index	Deviation	Max.	Min.
50.14	13:01:50	49.81	13:46:30	49.98	0.036	0.055	50.04	49.88

7.Voltage Profile: 400kV

	Maximum		Minimum		Voltage (in %)			
STATION	VOLTAGE	TIME	VOLTAGE	TIME	< 380	> 380 - < 420	> 420	> 430
BERHAMPORE - 400KV	415	13:03	404	20:03	0	100	0	0

BIHARSARIFF - 400KV	414	07:38	397	22:17	0	100	0	0
BINAGURI - 400KV	418	06:21	407	21:10	0	100	0	0
DURGAPUR - 400KV	411	05:57	401	20:40	0	100	0	0
JAMSHEDPUR - 400KV	415	06:04	405	23:12	0	100	0	0
JEERAT - 400KV	412	05:53	393	19:39	0	100	0	0
JEYPORE - 400KV	420	05:05	410	17:47	0	99.028	.972	0
KODERMA - 400KV	417	06:03	405	21:36	0	100	0	0
MAITHON A - 400KV	418	06:03	406	20:33	0	100	0	0
MUZAFFARPUR - 400KV	409	06:17	387	22:10	0	100	0	0
RANGPO - 400KV	405	10:43	398	22:11	0	100	0	0
ROURKELA - 400KV	413	04:41	407	23:20	0	100	0	0
TEESTA - 400KV	407	06:04	401	22:10	0	100	0	0

7.1 Voltage Profile: 765kV

	Maximum		Minimum		Voltage (in %)			
STATION	VOLTAGE	TIME	VOLTAGE	TIME	< 720	< 750	> 780	> 800
ANGUL - 765KV	782	02:02	753	07:13	0	0	6.528	0
GAYA - 765KV	780	06:02	751	22:09	0	0	.278	0
JHARSUGUDA - 765KV	792	18:01	775	07:13	0	0	94.028	0
NEW RANCHI - 765KV	787	18:04	769	21:10	0	0	57.708	0
SASARAM - 765KV	795	13:03	742	22:10	0	16.319	57.639	0

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

State	Off- Peak Hours (No Selected Date)					Peak Hours (No Selected Date)				
	Bilateral (MW)	IEX (MW)	RTM IEX (MW)	PXIL (MW)	RTM PXI (MW)	Bilateral (MW)	IEX (MW)	RTM IEX (MW)	PXIL (MW)	RTM PXI (MW)
BIHAR	186.32	98.89	21.16	0	0	334.65	163.17	0	0	0
DVC	-52.3	0	0	0	0	-52.3	0	0	0	0
JHARKHAND	125.49	0	0	0	0	125.49	-60.37	0	0	0
ODISHA	20.39	-224.54	7.42	0	0	-131.29	-212.47	47.47	0	0
SIKKIM	0	-108.94	-12.1	0	0	0	-74.64	-3.03	0	0
WEST BENGAL	194.35	16.08	0	0	0	307.44	16.08	0	0	0

State	Day Energy (MU)				
	ISGS/(LT+MT) Schedule	BILT Schedule	PX Schedule	RTM Schedule	Total (MU)
BIHAR	90.7	5.16	0.66	0.5	97.04
DVC	-33.43	-1.26	-0.13	0	-34.82
JHARKHAND	16.29	3.01	-1.26	0	18.05
ODISHA	17.67	-0.22	-7.38	-0.63	9.45

SIKKIM	3.76	-0.55	-1.43	-0.41	1.37
WEST BENGAL	42.16	6.23	0.41	0.24	49.04

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	3845.09	2399.37	334.65	186.32	346.12	-380.27	0	0
DVC	218.83	165.63	-52.3	-52.3	0	-80.49	0	0
JHARKHAND	716.66	510.38	125.49	125.49	0	-201.23	0	0
ODISHA	1089.25	361.21	20.39	-131.29	-97.22	-614.39	0	0
SIKKIM	157.58	134.66	0	-50	-11.1	-110.95	0	0
WEST BENGAL	1576.86	1138.25	307.44	180.86	21.81	16.08	0	0

State	IEX RTM (MW)		PXIL RTM (MW)	
	Maximum	Minimum	Maximum	Minimum
BIHAR	74.17	0	0	0
DVC	0	0	0	0
JHARKHAND	0	0	0	0
ODISHA	49.44	-151.68	0	0
SIKKIM	0	-45.39	0	0
WEST BENGAL	99.14	-146.9	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	

(i)% 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 23-Jun-2020

Date of Reporting:24-Jun-2020

1. Regional Availability/Demand:

Evening Peak (20:00) 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
2767	8	2775	49.95	1987	4	1991	49.86	51.34	0

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/ NAPTHA	WIND	SOLAR	OTHERS	GENERA-TION(MU)	(Net Mu)	(Net Mu)	(Net Mu)	(Net MU)	(Net MU)	(Net MU)
ARUNACHAL PRADESH	0	0	0	0	0	0	0	2.08	1.95	-0.13	2.08	1.95	0
ASSAM	0	1.33	3.27	0	0.02	0	4.62	27.62	27.58	-0.04	32.24	32.2	0
MANIPUR	0	0	0	0	0	0	0	2.4	2.65	0.25	2.4	2.65	0
MEGHALAYA	0	5.24	0	0	0	0	5.24	0.71	0.44	-0.27	5.95	5.68	0
MIZORAM	0	0.18	0	0	0	0	0.18	1.37	1.51	0.14	1.55	1.69	0
NAGALAND	0	0.31	0	0	0	0	0.31	2.38	2	-0.38	2.69	2.31	0
TRIPURA	0	0	2.56	0	0.01	0	2.57	5.73	5.73	0	8.3	4.86	0
Region	0	7.06	5.83	0	0.03	0	12.92	42.29	41.86	-0.43	55.21	51.34	0

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

State	Evening Peak (20:00) MW			Off-Peak (03:00) MW			Day Energy(Net MU)	
	Demand Met	Shortage	Requirement at Evening peak	Demand Met	Shortage	Requirement at Off-Peak	ForeCast (LGBR) (mus)	Deviation[Forecast(LGBR) -Consumption] (mus)
ARUNACHAL PRADESH	99	1	100	71	0	71	1.69	-0.26
ASSAM	1685	0	1685	1304	0	1304	32.41	0.21
MANIPUR	178	2	180	67	0	67	2.48	-0.17
MEGHALAYA	293	0	293	209	0	209	5.33	-0.35
MIZORAM	93	1	94	40	0	40	1.54	-0.15
NAGALAND	136	1	137	76	0	76	2.49	0.18
TRIPURA	283	3	286	220	4	224	5.41	0.55
Region	2767	8	2775	1987	4	1991	51.35	0.01

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 requiremnet	Time	Shortage during maximum Requirement	Maximum Requirement of the day
ARUNACHAL PRADESH	109	18:59	1	110	109	18:59	1	110
ASSAM	1695	20:22	0	1695	1695	20:22	0	1695
MANIPUR	195	18:56	1	196	195	18:56	1	196
MEGHALAYA	318	19:15	0	318	318	19:15	0	318
MIZORAM	93	19:50	1	94	93	19:50	1	94
NAGALAND	137	19:47	1	138	137	19:47	1	138
TRIPURA	298	19:16	3	301	298	19:16	3	301
Region	2772	19:21	7	2779	2772	19:21	7	2779

3(A) State Entities Generation:

ARUNACHAL PRADESH

Station/Constituents	Inst. Capacity (MW)	20:00 Peak MW	03:00 Off Peak MW	Day Peak (MW)	Day Peak Hrs	Day Energy (MU)	AVG. MW
Dikshi	24	0	0	0	0	0	0
Total HYDEL	24	0	0	-	-	0	0
Total ARUNACHAL PRADESH	24	0	0	-	-	0	0

ASSAM

Station/Constituents	Inst. Capacity (MW)	20:00 Peak MW	03:00 Off Peak MW	Day Peak (MW)	Day Peak Hrs	Day Energy (MU)	AVG. MW
Adamtilla	9	0	0	0	0	-	0
Baskandi	15.5	0	0	0	0	-	0
Total THERMAL	24.5	0	0	-	-	0	0
KLHEP	100	51	51	51	20:00	1.2	50
Mini Hydro	7	6	5	6	20:00	0.13	5.42
OTHER HYDEL	2.25	0	0	0	0	-	0
OTHER HYDEL	7	0	0	0	0	-	-
Total HYDEL	116.25	57	56	-	-	1.33	55.42
LRPP	70	63	63	63	19:00	1.44	60
LTPS	97.2	57	58	58	01:00	1.34	55.83
NTPS	99.5	24	24	24	01:00	0.49	20.42
Total GAS/NAPTHA/DIESEL	266.7	144	145	-	-	3.27	136.25
SOLAR	5	0	0	1	08:00	0.02	0.83
Total ASSAM	412.45	201	201	-	-	4.62	192.5

MEGHALAYA

Station/Constituents	Inst. Capacity (MW)	20:00 Peak MW	03:00 Off Peak MW	Day Peak (MW)	Day Peak Hrs	Day Energy (MU)	AVG. MW
Private_Generators	105	0	0	3	12:00	0	0
OTHER THERMAL	66.15	0	0	0	0	-	0
Total THERMAL	171.15	0	0	-	-	0	0
Myndtu Leshka	126	126	126	126	01:00	3.02	125.83
New Umtru	40	36	20	40	11:00	0.75	31.25
Sonapani	1.5	1	1	1	15:00	0.02	0.83
Umiam St I	36	27	0	27	19:00	0.21	8.75
Umiam St II	20	14	0	14	19:00	0.11	4.58
Umiam St III	60	28	24	28	19:00	0.56	23.33
Umiam St IV	60	30	24	30	01:00	0.57	23.75
Umtru	11.2	0	0	0	0	-	0
OTHER HYDEL	1.5	0	0	0	0	-	0
Total HYDEL	356.2	262	195	-	-	5.24	218.32
Total MEGHALAYA	527.35	262	195	-	-	5.24	218.32

MIZORAM

Station/Constituents	Inst. Capacity (MW)	20:00 Peak MW	03:00 Off Peak MW	Day Peak (MW)	Day Peak Hrs	Day Energy (MU)	AVG. MW
Bairabi	40.27	0	0	0	0	0	0
Serlui-B	12	0	0	0	0	0	0
Tuirial	60	15	0	32	17:45	0.18	7.5
Total HYDEL	112.27	15	0	-	-	0.18	7.5
Total MIZORAM	112.27	15	0	-	-	0.18	7.5

NAGALAND

Station/Constituents	Inst. Capacity (MW)	20:00 Peak MW	03:00 Off Peak MW	Day Peak (MW)	Day Peak Hrs	Day Energy (MU)	AVG. MW
Likimro	24	13	13	15	09:00	0.31	12.92
Total HYDEL	24	13	13	-	-	0.31	12.92
Total NAGALAND	24	13	13	-	-	0.31	12.92

TRIPURA

Station/Constituents	Inst. Capacity (MW)	20:00 Peak MW	03:00 Off Peak MW	Day Peak (MW)	Day Peak Hrs	Day Energy (MU)	AVG. MW
Gumti	15	0	0	0	01:00	0	0
Total HYDEL	15	0	0	-	-	0	0
Baramura	58.5	19	20	20	03:00	0.3	12.5
Monarchak(Thermal)	101	57	55	57	20:00	1.36	56.67
Rokhia	111	39	38	39	01:00	0.9	37.5
Total GAS/NAPTHA/DIESEL	270.5	115	113	-	-	2.56	106.67
SOLAR	5	0	0	0	01:00	0.01	0.42
Total TRIPURA	290.5	115	113	-	-	2.57	107.09

3(B) Regional Entities Generation

Station/Constituents	Inst. Capacity (MW)	20:00 Peak MW	03:00 Off Peak MW	Day Peak (MW)	Day Peak Hrs	Day Energy (MU)	AVG (MW)	Schedule (Mu)	UI (MU)	RRAS Sch
NEEPCO										
AGBPP	291	206	200	207	01:00	4.55	189.58	4.36	0.19	0.15
AGTCCPP	135	119	75	119	19:00	2.55	106.25	2.38	0.17	0.05
Doyang	75	41	41	42	01:00	0.88	36.67	0.88	0	0
Kameng HEP	150	154	154	155	18:00	3.66	152.5	3.54	0.12	0
Khandong	50	0	0	0	-	0	0	0	0	0
Kopili	200	0	0	0	-	0	0	0	0	0
Kopili-2	25	0	0	0	-		0	0	0	0
Pare	110	119	119	119	03:00	2.86	119.17	2.83	0.03	0
Ranganadi	405	401	220	401	20:00	7.59	316.25	7.5	0.09	0
Sub-Total	1441	1040	809	1043	0	22.09	920.42	21.49	0.6	0.2
NHPC										
Loktak	105	70	70	70	01:00	1.67	69.58	1.63	0.04	0
Sub-Total	105	70	70	70	0	1.67	69.58	1.63	0.04	0
NTPC										
BGTPP	750	421	425	594	23:00	10.4	433.33	9.52	0.88	0.45
Sub-Total	750	421	425	594	0	10.4	433.33	9.52	0.88	0.45
OTPCL										
Palatana	726.6	630	625	630	03:00	15.17	632.08	14.53	0.64	0
Sub-Total	726.6	630	625	630	0	15.17	632.08	14.53	0.64	0
INFIRM										
Kameng HEP	150	0	0	151	23:44	0.12	5		0.12	0
Sub-Total	150	0	0	151	0	0.12	5	0	0.12	0
Total	3172.6	2161	1929			49.45	2060.41	47.17	2.28	0.65

Station/Constituents	Inst. Capacity (MW)	N/A Peak MW	N/A Off Peak MW	Day Peak (MW)	Day Peak Hrs	Day Energy (MU)	AVG. MW
Total ISGS and IPP Thermal	750	421	425			10.4	433.33
Total State Thermal	195.65	0	0			0	0
Total ISGS and IPP Gas	1152.6	955	900			22.27	927.91
Total State Gas	537.2	259	258			5.83	242.92
Total ISGS and IPP Hydro	1270	785	604			16.78	699.17
Total State Hydro	647.72	347	264			7.06	294.16
Total Solar Generation	10	0	0			0.03	1.25

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

SL.No.	Element	20:00 (MW)	03:00 MW	Maximum Interchange (MW) Import (MW)	Maximum Interchange (MW) Export (MW)	Import in MU	Export in MU	NET
	Import/Export between BHUTAN and NORTH_EAST REGION							
1	132KV-RANGIA-DEOTHANG	57	48	64	0	1.14	-	1.14
2	132KV-RANGIA-MOTONGA	-	-	-	-	-	-	0
3	132KV-SALAKATI-GELEPHU	35	48	53	15	0.85	-	0.85
	Sub-Total BHUTAN	92	96	117	15	1.99	0	1.99
	Import/Export between EAST REGION and NORTH_EAST REGION							
1	220KV-SALAKATI-ALIPURDUAR-1	38	24	39	1	0.5	-	0.5
2	220KV-SALAKATI-ALIPURDUAR-2	38	24	39	1	0.5	-	0.5
3	400KV-BONGAIGAON-ALIPURDUAR-1	135	5	148	53	0.52	-	0.52
4	400KV-BONGAIGAON-ALIPURDUAR-2	135	4	148	53	0.51	-	0.51
5	400KV-BONGAIGAON-NEW SILIGURI-1	141	47	149	0	1.5	-	1.5
6	400KV-BONGAIGAON-NEW SILIGURI-2	141	48	149	0	1.5	-	1.5
	Sub-Total EAST REGION	628	152	672	108	5.03	0	5.03
	Import/Export between NORTH REGION and NORTH_EAST REGION							
1	HVDC800KV-BISWANATH CHARIALI-AGRA	-502	-503	0	503	-	11.86	-11.86
	Sub-Total NORTH REGION	-502	-503	0	503	0	11.86	-11.86
	TOTAL IR EXCHANGE	218	-255	789	626	7.02	11.86	-4.84

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

	ISGS/(LT+MT) Schedule	BILT Schedule	PX Schedule	RTM Schedule	Total IR Schedule	Total IR Actual	NET IR UI
NER-ER	5.71	-4.63	-4.86	1	-2.9	-4.84	-1.94
Total	5.71	-4.63	-4.86	1	-2.9	-4.84	-1.94

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

SL.No.	Element	20:00 (MW)	03:00 MW	Maximum Interchange (MW) Import (MW)	Maximum Interchange (MW) Export (MW)	Import in MU	Export in MU	NET
1	132KV-SURAJMANI NAGAR-COMILLA(BANGLADESH)-1	84	74	0	84	-	1.72	-1.72
2	132KV-SURAJMANI NAGAR-COMILLA(BANGLADESH)-2	83	74	0	83	-	1.72	-1.72
	TOTAL INT. EXCHANGE	167	148	0	167	0	3.44	-3.44

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	10.42	84.11	36.3

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

Maximum		Minimum		Average	Freq Variation	Standard	Freq. in 15 mnt blk	
Frequency	Time	Frequency	Time	Frequency	Index	Deviation	Max.	Min.
50.14	13:01:50	49.81	13:46:30	49.98	0.036	0.055	50.04	49.88

6.Voltage Profile: 132kV

	Maximum		Minimum		Voltage (in %)			
STATION	VOLTAGE	TIME	VOLTAGE	TIME	< 110	< 119	> 135	> 145
KUMARGHAT - 132KV	133	04:20	128	19:39	0	0	0	0
AIZWAL - 132KV	134	01:54	126	18:48	0	0	0	0
KHELIEHRIAT - 132KV	135	00:31	128	18:40	0	0	10.59	0
JIRIBAM(PG) - 132KV	135	04:21	128	18:43	0	0	0	0
IMPHAL(PG) - 132KV	136	00:00	131	10:49	0	0	19.44	0
HAFLONG - 132KV	136	02:35	126	11:20	0	0	9.83	0
BADARPUR - 132KV	136	04:02	130	12:23	0	0	13.68	0
NIRJULI - 132KV	137	04:05	129	10:40	0	0	13.96	0
KAHILIPARA - 132KV	136	05:04	127	12:17	0	0	12.22	0

6.Voltage Profile: 220kV

	Maximum		Minimum		Voltage (in %)			
STATION	VOLTAGE	TIME	VOLTAGE	TIME	< 198	< 210	> 235	> 245
SALAKATI - 220KV	230	05:03	223	19:37	0	0	0	0
DIMAPUR (PG) - 220KV	228	04:21	216	13:41	0	0	0	0
MARIANI (PG) - 220KV	236	04:22	225	10:24	0	0	4.65	0
MISA - 220KV	227	04:16	217	13:38	0	0	0	0

6.Voltage Profile: 400kV

	Maximum		Minimum		Voltage (in %)			
STATION	VOLTAGE	TIME	VOLTAGE	TIME	< 380	< 390	> 420	> 430
BgTPP - 400KV	415	05:03	404	13:40	0	0	0	0
SILCHAR - 400KV	412	01:48	398	13:55	0	0	0	0
PALATANA - 400KV	414	04:45	407	20:06	0	0	0	0
BYRNIHAT (KILLING) - 400KV	417	04:22	400	13:41	0	0	0	0
MISA - 400KV	418	03:30	398	13:45	0	0	0	0
AZARA - 400KV	412	04:26	405	12:22	0	0	0	0
RANGANADI - 400KV	423	03:15	401	13:42	0	0	8.24	0
BALIPARA - 400KV	412	05:03	401	13:43	0	0	0	0
BISWANATH CHARIALI - 400KV	417	16:11	395	13:40	0	0	0	0
BONGAIGAON - 400KV	412	17:04	401	13:55	0	0	0	0
IMPHAL(PG) - 400KV	415	04:22	399	18:52	0	0	0	0

7.Major Reservoir Particulars

	DESIGNED			PRESENT		LAST YEAR		LAST DAY	
RESERVOIR	MDDL (Mts)	FRL (Mts)	Energy (MU)	Level (Mts)	Energy (MU)	Level (Mts)	Energy (MU)	Level (Mts)	Energy (MU)
Doyang	306	333	227	313.8	11	307.47	2	313.5	11
Gumti	83.6	93.55	85	89.9	15	88.1	9	89	12
Khandong	704.26	727.3	278	719.75	25	716.2	18	719.9	26
Kopili	592.8	609.6	1186	0	-	604.02	57	0	0
Loktak	766.2	769	448	769.24	-	766.75	18	767.55	64
Pare	240	245.15	0	245.17	-	241.2	-	245.3	-
Ranganadi	560	567	1507	565.97	-	564.19	-	564.92	-
Umium	960.12	981.43	0	976.55	33	966.76	9	976.55	33
TOTAL	-	-	3731	-	84	-	113		146

8. Synchronisation of new generating units :

SL.NO	Station Name	Owner	Inst. Capacity (MW)	Date	Time

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

10(A). Power Exchange/Schedule Details :

State	Off- Peak Hours (No Selected Date)					Peak Hours (No Selected Date)				
	Bilateral (MW)	IEX (MW)	IEX RTM (MW)	PXIL (MW)	PXI RTM (MW)	Bilateral (MW)	IEX (MW)	IEX RTM (MW)	PXIL (MW)	PXI RTM (MW)
ARUNACHAL PRADESH	-23.22	-30.29	0	0	0	-23.22	-50.48	0	0	0
ASSAM	82.28	-72.84	18.62	0	0	82.28	290.3	11.53	0	0
MANIPUR	-16.01	-37.26	0	0	0	-74.78	10.89	10.89	0	0
MEGHALAYA	-122.66	-7.09	0	0	0	-122.45	-5.61	0	0	0
MIZORAM	-2	0	0	0	0	-2.67	0	0	0	0
NAGALAND	-20.09	-8.04	10.89	0	0	-20.09	0	34.66	0	0
TRIPURA	0	0	0	0	0	0	0	0	0	0

State	Day Energy (MU)				
	ISGS/(LT+MT) Schedule	BILT Schedule	PX Schedule	RTM Schedule	Total (MU)
ARUNACHAL PRADESH	3.47	-0.56	-0.84	0	2.08
ASSAM	26.44	1.97	-1.09	0.3	27.32
MANIPUR	3.64	-1.21	-0.12	0.08	2.4
MEGHALAYA	3.83	-2.44	-0.67	0	0.71
MIZORAM	1.52	-0.07	-0.07	0	1.37
NAGALAND	2.33	-0.48	-0.02	0.55	2.38
TRIPURA	5.84	0	-0.11	0	5.73

10(B). Power Exchange/Schedule Details (Max/Min) :

State	ISGS/(LT+MT) Schedule		Bilateral (MW)		IEX (MW)		PXIL (MW)	
	Maximum	Minimum	Maximum	Minimum	Maximum	Minimum	Maximum	Minimum
ARUNACHAL PRADESH	170.66	115.47	-23.22	-23.22	-10.1	-60.58	0	0
ASSAM	1240.47	974.65	82.28	82.28	290.3	-304.04	0	0
MANIPUR	186.93	103.21	-16.01	-74.78	33.67	-37.26	0	0
MEGHALAYA	172.51	142.17	-43.23	-123.81	4.29	-88.26	0	0
MIZORAM	84.14	26.09	-1.87	-4.45	0	-20.45	0	0
NAGALAND	109.08	79.97	-20.09	-20.09	0	-8.04	0	0
TRIPURA	306.02	184.3	0	0	0	-25.12	0	0

State	IEX RTM (MW)		PXI RTM (MW)	
	Maximum	Minimum	Maximum	Minimum
ARUNACHAL PRADESH	0	0	0	0
ASSAM	20.99	0	0	0
MANIPUR	34.66	0	0	0
MEGHALAYA	0	0	0	0
MIZORAM	0	0	0	0
NAGALAND	38.63	0	0	0
TRIPURA	0	0	0	0

12.Significant events (If any):

13.System Constraints (If any)

14. Weather Condition:

Shift In Charge