



RAJASTHAN RAJYA VIDYUT PRASARAN NIGAM LTD
LOAD DESPATCH CENTER ,HEERAPURA JAIPUR.

Power Position 21-Dec-17	Point No.
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1. Date-Wise Energy Availability, Consumption,OD(+)/UD(-), Peak Load, Avg. Frequency,Wind Gen. -DEC- 2017

Date	Anticipated Availability (In LU)		Consumption (In LU)		OD(+)/UD(-) (In LU)		Peak Load (In MW)		Average freq. (In Hz)	WIND (in LU)
	2017	2016	2017	2016	2017	2016	2017	2016	2017	2017
Dec-17										
1-Dec-17	2075.44	1839.91	2014.88	1880.51	21.81	3.27	11008	9167	49.99	62.28
2-Dec-17	2124.01	1959.83	2008.18	1908.47	0.65	-3.47	10559	9092	49.99	78.44
3-Dec-17	2073.93	1913.99	1960.75	1852.49	30.24	6.13	10391	9097	49.98	41.87
4-Dec-17	2061.26	1848.01	1986.65	1897.69	33.44	38.44	10652	9244	49.97	65.31
5-Dec-17	2056.53	1918.91	1911.82	1935.65	5.03	44.93	10380	9394	49.98	244.96
6-Dec-17	1947.37	1934.18	1820.63	1941.07	22.27	22.66	9851	9806	49.98	198.98
7-Dec-17	1909.86	2003.20	1875.03	1978.15	20.02	10.00	9836	10113	49.99	109.00
8-Dec-17	2026.08	2039.39	1912.45	1997.04	15.41	-6.11	10336	9998	49.98	88.44
9-Dec-17	1912.77	2039.32	1939.64	1989.13	52.10	3.39	10309	10071	49.94	29.51
10-Dec-17	1948.81	2079.45	2006.63	1995.65	27.73	7.88	10680	9766	49.96	154.98
11-Dec-17	1934.93	2030.09	1858.70	1962.72	-7.61	25.13	10502	9052	49.97	95.23
12-Dec-17	1881.52	1931.47	1845.98	1885.18	18.45	45.13	9185	8633	49.94	18.98
13-Dec-17	2005.14	2000.27	1965.25	1972.55	5.77	29.92	9967	9049	49.92	100.95
14-Dec-17	1998.34	1881.47	1995.29	1959.87	23.48	11.74	10612	9082	49.95	224.53
15-Dec-17	2137.33	1969.21	1978.70	1993.13	31.79	25.08	10284	9403	49.95	228.63
16-Dec-17	1986.52	2021.53	1956.56	2023.97	16.90	16.58	10578	9339	50.00	250.85
17-Dec-17	2128.59	2024.55	1959.65	1994.20	14.01	5.28	10412	9159	50.01	257.48
18-Dec-17	2074.98	1923.96	1999.63	1958.58	21.70	25.87	11047	8995	49.98	170.05
19-Dec-17	2144.31	1986.95	2040.94	1970.49	40.85	22.47	11185	9241	49.98	129.62
20-Dec-17	2193.42	2035.28	2084.40	2021.79	46.11	17.02	11242	9445	49.98	87.73
21-Dec-17	2121.71	2049.50								
22-Dec-17										
23-Dec-17										
24-Dec-17										
25-Dec-17										
26-Dec-17										
27-Dec-17										
28-Dec-17										
29-Dec-17										
30-Dec-17										
31-Dec-17										
MAXIMUM OF THE MONTH	2193.42	2079.45	2084.40	2023.97	52.10	45.13	11242.00	10113.00	50.01	257.48
MIN OF THE MONTH	1881.52	1839.91	1820.63	1852.49	-7.61	-6.11	9185.00	8633.00	49.92	18.98
AVERAGE	2034.54	1974.84	1956.09	1955.92	22.01	17.57	10450.80	9357.30	49.97	131.89

MAX.CONSUMPTION TILL DATE DURING THE FY 2017-18 (L.U.)

2222.22

18-Aug-17

MAX.PEAK LOAD TILL DATE DURING THE FY 2017-18 (MW)

11242

(08.00-08.15 Hrs.)

20-Dec-17

MAX.CONSUMPTION DURING THE FY 2016-17 (L.U.)

2138.32

20-Sep-16

MAX.PEAK LOAD DURING THE FY 2016-17 (MW)

10348

(8.15-8.30 Hrs.)

25/1/2017

MAX.WIND TILL DATE DURING THE YEAR 2017-18 (L.U.)

482.76

4-Jul-17

MAX.WIND DURING THE YEAR 2016-17 (L.U.)

413.67

6-Jul-16

2. Anticipated Availability/Generation From Different Sources

(In LU)

S.No.	Sources Available to Rajasthan / Installed Capacity as on 30.09.2016 (In MW)	Prior assessment of Avail. For next Day	Prior assessment of Avail.	Actual Energy Received
		20-Dec-17		
1	KTPS (1240/1240)	222.00	271.00	235.60
2	STPS (1500/1500)	275.00	271.00	246.29
3	DHOLPUR GAS CCPP (330/330)	0.00	0.00	0.00
4	RAMGARH (273.5/273.5)	38.00	47.00	36.04
5	RAPP-A(200/200)	43.00	43.00	44.36
6	MAHI (140/140)	0.00	0.00	8.50
7	CHAMBAL (RPS+JS) (135.5/271)	38.62	38.62	39.74
8	GIRAL LIGNITE (250/250)	0.00	0.00	0.00
9	CHHABRA TPS 1000/1000)	164.00	164.00	159.92
10	ADANI (TPS) + KALISINDH (TPS) (1200+1200/1320+1200)	285.00	285.00	270.18
11	WIND FARM (3980.40/4119.15)	92.00	106.00	87.73
12	SOLAR POWER(737.70/1295.70)	0.00	0.00	0.00
13	CAPTIVE POWER PLANTS	0.00	0.00	0.00
14	REGIONAL (INTRA STATE) O.A.(VLTPS)	0.00	0.00	0.00
15	OPEN ACCESS	2.14	15.59	14.86
16	BIOMASS – (101.95/119.25)	4.00	5.00	3.60
17	BARSINGHAR LTPS(250/250)	26.00	26.00	26.09
18	RAJWEST (1080/1080)	172.00	172.00	154.79
	TOTAL (A) : 1-18	1361.76	1444.21	1327.69
19	BBMB COMPLEX			
a)	BHAKRA(230.79/1516.3)	26.65	26.94	27.26
b)	DEHAR (198/ 990)	6.52	6.12	7.08
c)	PONG (231.66/396)	39.47	40.13	40.61
	TOTAL : a TO c	72.64	73.18	74.95
20	CENTRAL STATIONS			
d)	SINGRAULI (300/ 2000)	81.63	80.80	80.80
e)	RIHAND (310.24/3000)	130.89	130.30	132.16
f)	UNCHAHAHAR-I(20/420)	13.91	19.19	10.31
g)	UNCHAHAHAR-II& III(61/630)	31.32	56.68	28.16
h)	INDIRA GANDHI STPS(JHAJHAR) 0.00/1500)	0.00	0.00	0.00
i)	NCTPS DADRI St-II (43.22/980) + DADRI-TH	17.35	21.42	18.62
j)	DADRI GAS (77/830)	5.17	11.27	8.37
k)	ANTA (83.07/419)	0.00	0.00	0.00
l)	AURAIYA (61.03/663)	0.00	0.00	0.00
m)	NAPP (44/440)	9.86	10.01	10.01
n)	RAPP-B (125/440)	16.58	16.75	16.75
o)	RAPP-C (88/440)	19.86	19.86	19.86
p)	SALAL (20.36/690)	0.79	0.88	0.74
q)	URI (70.37/720)	3.95	3.94	3.92
r)	TANAKPUR (10.86/94)	0.63	0.67	0.59
s)	CHAMERA –I (105.84/540)	2.94	2.94	2.94
t)	CHAMERA-II (29.01/300)	1.26	1.26	1.26
u)	CHAMERA-III (25.21/231)	0.76	0.76	0.76
v)	DHAULIGANGA (27/280)	0.97	0.97	0.97
w)	DULHASTI (42.42/390)	3.26	3.26	3.48
x)	SEWA (13/120)	0.26	0.26	0.26
y)	NJPC (112.00/1500)+RAMPUR(31.808/412.02)	6.93	6.93	6.93
z)	TEHRI (75/1000)	6.91	6.25	6.25
aa)	KOTESHWAR (33.44/400) + PARBATI3 (56.73/520)	2.68	2.84	5.64
ab)	TALA	0.41	0.42	0.42
ac)	MUNDRA UMPP (380/4000)	66.36	63.91	63.91
ad)	SASAN (372/3960)	88.68	83.94	83.94
ae)	FRKKA+KHLGN+TLCHR (70.18/3940)	26.33	23.13	21.88
af)	URS POWER(DADRI TH-I)	0.00	0.00	0.00
	TOTAL SCHEDULED(a TO af)	612.33	641.83	603.87
	LOSSES	-30.24	-31.81	-32.72
	NET SCHEDULED	582.09	610.01	571.15
21	BILATERAL (REG.) EXCL. BANKING	3.76	3.76	3.76
22	BANKING	18.59	18.59	18.59
23	BILATERAL(INTER-REG.). EXCLUDING (ISOA & BANKING)	114.11	94.13	113.63
24	INTER STATE OPEN ACCESS (BILATERAL+IEX)	-2.14	-15.59	-14.86
25	INDIAN ENERGY EXCHANGE	43.54	18.32	18.32
	TOTAL(B): (19 TO 25)	759.95	749.21	710.60
	TOTAL GENERATION (A +B) : 1 TO 25			2038.29
	OVER DRAWAL (+)/UNDER DRAWAL (-)			46.11
	GRAND TOTAL	2121.71	2193.42	2084.40
	LAST YEAR	2049.50	2035.28	2021.79

3. SYSTEM PARAMETERS AS ON 20-Dec-17

MAXIMUM DRAWL ON 20-Dec-17	11242 MW at 08.00-08.15 Hrs 49.98 Hz
MINIMUM DRAWL ON 20-Dec-17	6300 MW at 04.00-4.15Hrs 49.96 Hz
Max U/D of the day	427 MW at 04.00-04.15 HRS 49.96 Hz
Max. O/D below 49.7 Hz	MW at
No. of Blocks Freq. < 49.7 Hz	0
No. of Violation Blocks Freq. < 49.7 Hz	0
No. of Blocks in which Freq. >= 49.7 & <49.9 Hz	2
NO. OF VIOLATION (OD BLOCKS) IN WHICH FREQ. >= 49.7 & <49.9 Hz	2
No. of Blocks in which Freq. >= 49.9 & <50.00 Hz	63
NO. OF BLOCKS(OD ABOVE 250 MW) IN WHICH FREQ. >= 49.9 & <50.00 Hz	30
NO. OF BLOCKS(UD ABOVE 250 MW) IN WHICH FREQ. >= 49.9 & <50.00 Hz	1
No. of Blocks in which Freq. >= 50.00 & <50.05 Hz	29
NO. OF BLOCKS(OD ABOVE 250 MW) IN WHICH FREQ. >= 50.00 & <50.05 Hz	9
NO. OF BLOCKS(UD ABOVE 250 MW) IN WHICH FREQ. >= 50.00 & <50.05 Hz	0
No. of Blocks in which Freq. >= 50.05 & <50.10 Hz	2
NO. OF UD BLOCKS IN WHICH FREQ. >= 50.05 & <50.10 Hz	1
No. of Blocks in which Freq. >= 50.10	0
NO. OF VIOLATION(UD BLOCKS) IN WHICH FREQ. >= 50.10	0

4. WATER LEVEL OF MAJOR RESERVOIR

Name of reservoir	Capacity level		Actual Level as on		Discharge (cusecs)	Inflow (cusecs)
	Max.	Min.	21-Dec-17	21-Dec-16		
Gandhi Sagar (Fl.)	1312	1250	1293.76	1308.30	8353	25
R.P.Sagar (Fl.)	1157.5	1128	1136.26	1143.13	1406	11350
Jawahar Sagar (Fl.)	980	970.4	976.20	978.50	6528	8290
Kota Barrage(Fl.)	854.5	852.3	854.50	854.50		
RMC					6225	
LMC					1100	
Bhakra(Fl.)	1690	1462	1644.17	1609.80	17000	5740
Dehar (Fl.)	2941	2900	2920.99	2917.71	1914	1918
Pong(Fl.)	1421	1260	1350.93	1343.29	15521	2301
Mahi-I (Mts.)	281.5	259	280.90	279.30	3050	NIL
Mahi-II (Mts.)	220.5	217	217.40	217.10	284	NIL

5. POSITION OF COAL STOCK (In MT)

AVERAGE FREQ. FOR THE DAY	20-Dec-17	49.98 Hz	Date	Name of Station	Stock at 00.00 hrs. (MT)	Coal stock sufficient for No. of days
Max O/D of the day	567 MW at 16.00-16.15 HRS 49.98Hz		21/Dec/17	KTPS	93652	4.5 days
Frequency Profile	% of Time					
LESS THAN 49.7 HZ	0.00					
LESS THAN 49.90 HZ	8.26					
OPERATING RANGE (49.90 HZ TO 50.05 HZ)	83.80					
ABOVE 50.05 HZ	7.94					
No. of 220 KV GSS advised to switch off 33 KV Urban Feeders	0					
No. of 220 KV GSS advised to switch off 33 KV Rural Feeders	62					
No. of 132 KV Feeders Disconnected	0		CHHABRA	109520	14.5 days	
			CHHABRA	102169	7.5 days	

6. GENERATING UNIT OUTAGE REPORT UP TO 8.00 HRS OF DT.

21/Dec/17

(A) PLANNED OUTAGE

NAME OF STATION	UNIT OUT	INSTALLED CAPACITY	NET ALLOC./AVAIL. (MW)		OUTAGE		EXPECT./REVIVAL		REASON OF OUTAGE
					DATE	TIME	DATE	TIME	
STATE SECTOR									
GIRAL	1	125.00	70	16.80	70	11-Jul-14	8.20		BED MATERIAL LEAKAGE (SD W.E.F.15.07.14)
DCCPP	HRSG2*	55.00	50	12.00	50	13-Jul-16	16.35		BOXED UP/PERMISSION GIVEN BY RUVNL ON DATE 17.08.17 BUT PROBLEM IN DCCPP END)
DCCPP	GT02*	110.00	100	24.00	100	13-Jul-16	16.40		BOXED UP/PERMISSION GIVEN BY RUVNL ON DATE 17.08.17 BUT PROBLEM IN DCCPP END)
STPS	2*	250.00	229	55.00	229	8-Dec-17	14.36		BOXED UP
Total(A) STATE SECTOR-PLANNED OUTAGE		540.00	449.00	107.80	449.00				

CENTRAL SECTOR

DADRI GPS	4	130.19	22	5.30	22	18-Oct-17	6.00		RESERVE SHUTDOWN
DADRI GPS	6	154.00	22	5.30	22	25-Oct-17	22.22		RESERVE SHUTDOWN
DADRI GPS	3	130.00	22	5.30	22	25-Oct-17	22.30		RESERVE SHUTDOWN
AURAIYA GPS	4	111.00	18	4.40	18	25-Oct-17	22.43		RESERVE SHUTDOWN
AURAIYA GPS	6	109.00	18	4.40	18	25-Oct-17	23.09		RESERVE SHUTDOWN
AURAIYA GPS	3	111.00	18	4.40	18	25-Oct-17	23.12		RESERVE SHUTDOWN
AURAIYA GPS	1	111.19	18	4.40	18	10-Nov-17	21.13		LESS DEMAND
ANTA GPS	2	88.71	31	7.50	31	10-Nov-17	21.50		LESS DEMAND
SINGRAULI	3	200.00	34	8.20	34	21-Nov-17	5.59		ANNUAL MAINTENANCE
ANTA GPS	3	88.71	31	7.50	31	18-Dec-17	11.16		RESERVE SHUTDOWN
RAPP-B	4	220.00	63	15.07	63	19-Dec-17	0.07		GENERAL MAINTENANCE
AURAIYA GPS	5	109.00	18	4.40	18	19-Dec-17	19.42		RESERVE SHUTDOWN
AURAIYA GPS	2	111.19	18	4.40	18	19-Dec-17	19.53		RESERVE SHUTDOWN
DADRI GPS	1	130.19	22	5.30	22	19-Dec-17	19.58		RESERVE SHUTDOWN
Total(A) CENTRAL SECTOR-PLANNED OUTAGE		1804.18	354.80	85.87	354.80				

(B) FORCE OUTAGE

STATE SECTOR

STATE SECTOR										
GIRAL	2	125.00	70	16.80	70	27-Jan-16	15.27	25-Dec-17		DESYNCHRONIZED DUE TO ATTEND TUBE LEAKAGE IN ASH COOLAR-I
ADANI	1	660.00	600	144.00	600	23-Sep-17	5.45	21-Dec-17		INSUFFICIENT COAL STOCK
RAMGARH	GT02	57.50	29	7.00	29	28-Oct-17	4.50	25-Dec-17		DESYNCHRONIZED DUE TO GAS RESTRICTION BY GAIL INDIA AND UNDER SD FOR REVOLOR CLEANING BY GAIL
DCCPP	HRSG01	55.00	50	12.00	50	11-Dec-17	21.12	21-Dec-17		SYSTEM LINE VOLTAGE INCREASED
DCCPP	GT01	110.00	100	24.00	100	12-Dec-17	23.34	21-Dec-17		AIR INLET DIFFERENTIAL PRESSURE HIGH
CTPP	3	250.00	210	54.00	210	13-Dec-17	12.27	26-Dec-17		ELECTRICAL PROTECTION
RAJWEST	6	135.00	120	28.67	120	14-Dec-17	3.56	21-Dec-17		HEAVY BED MATERIAL LEAKAGE
BAKSINGAR	2	125.00	110	26.40	110	15-Dec-17	13.04	21-Dec-17		Refractory failure
KALISINDH	2	600.00	565	135.60	565	16-Dec-17	12.08	21-Dec-17		BTL
RAJWEST	8	135.00	120	28.67	120	19-Dec-17	12.13	21-Dec-17		heavy bed material leakage.
STPS	3	250.00	229	0.00	0	19-Dec-17	21.05	20-Dec-17	1.39	FURNACE PRESSURE VERY HIGH
KTPS	3	210.00	100	46.00	100	20-Dec-17	13.31	21-Dec-17		HEAVY STEAM LEAKAGE IN PRDS LINE
Total(B) STATE SECTOR-FORCED OUTAGE		2692.50	2302.00	523.14	2073.00					

CENTRAL SECTOR

UNCHAHAR	6	500.00	NA	NA	NA	1-Nov-17	15.40			FURNISH PRESSURE HIGH
DADRI GPS	1	130.19	22	0.00	0	14-Dec-17	8.20	15-Dec-17	3.19	LOWER CHEAP GAS AVAILABILITY
SINGRAULI	4	200.00	34	0.00	0	18-Dec-17	13.30	18-Dec-17	19.33	DETAILS AWAITED
ANTA GPS	4	153.20	34	8.20	34	18-Dec-17	0.00			
Total(B) CENTRAL SECTOR-FORCED OUTAGE		983.39	90.00	8.20	34.00					
G.TOTAL				531.34	2107.00					

Note :- Loss of Generation shall not be considered in case unit is boxed up due to low demand (*), planned annual shut down (@) and COD is not declared (\$).