



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

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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										
01-Dec-17	2075.44	1839.91	2014.88	1880.51	21.81	3.27	11008	9167	49.99	62.28
02-Dec-17	2124.01	1959.83	2008.18	1908.47	0.65	-3.47	10559	9092	49.99	78.44
03-Dec-17	2073.93	1913.99	1960.75	1852.49	30.24	6.13	10391	9097	49.98	41.87
04-Dec-17	2061.26	1848.01	1986.65	1897.69	33.44	38.44	10652	9244	49.97	65.31
05-Dec-17	2056.53	1918.91	1911.82	1935.65	5.03	44.93	10380	9394	49.98	244.96
06-Dec-17	1947.37	1934.18	1820.63	1941.07	22.27	22.66	9851	9806	49.98	198.98
07-Dec-17	1909.86	2003.20	1875.03	1978.15	20.02	10.00	9836	10113	49.99	109.00
08-Dec-17	2026.08	2039.39	1912.45	1997.04	15.41	-6.11	10336	9998	49.98	88.44
09-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	2066.07	2010.83	31.57	28.57	11290	9490	49.99	70.44
22-Dec-17	2132.69	2019.84	2052.74	2022.91	20.87	28.59	11159	9425	49.96	65.88
23-Dec-17	2059.74	1957.81	2070.02	2000.79	25.47	16.74	11032	9223	49.95	20.39
24-Dec-17	2183.02	1950.76	2024.70	1985.05	17.35	22.48	10894	9272	49.96	25.24
25-Dec-17	2148.13	2095.72	2061.08	1997.64	40.41	1.84	10654	9342	49.96	42.56
26-Dec-17	2142.58	2114.31	2114.18	1995.69	39.57	13.67	10853	9441	49.98	49.09
27-Dec-17	2239.29	1939.87	2113.50	1973.77	25.18	43.06	10529	9169	49.98	30.42
28-Dec-17	2207.70	2125.13	2114.85	2055.72	23.83	23.50	10947	9459	50.00	89.63
29-Dec-17	2245.99	2038.46								
30-Dec-17										
31-Dec-17										
MAXIMUM OF THE MONTH	2245.99	2125.13	2114.85	2055.72	52.10	45.13	11290.00	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	2039.68	1976.01	1975.85	1965.42	23.03	17.98	10561.80	9355.92	49.97	114.49
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)							11290	(07.45-08.00 Hrs.)	21-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	04-Jul-17		
MAX.WIND DURING THE YEAR 2016-17 (L.U.)							413.67	06-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
		28-Dec-17		
1	KTPS (1240/1240)	270.00	270.00	224.50
2	STPS (1500/1500)	110.00	110.00	94.46
3	DHOLPUR GAS CAPP (330/330)	0.00	0.00	0.00
4	RAMGARH (273.5/273.5)	17.00	17.00	21.42
5	RAPP-A(200/200)	43.00	43.00	44.23
6	MAHI (140/140)	0.00	0.00	7.52
7	CHAMBAL (RPS+JS) (135.5/271)	38.62	38.62	36.65
8	GIRAL LIGNITE (250/250)	0.00	0.00	0.00
9	CHHABRA TPS 1000/1000)	162.00	108.00	121.95
10	ADANI (TPS) + KALISINDH (TPS) (1200+1200/1320+1200)	561.00	561.00	521.46
11	WIND FARM (3980.40/4119.15)	123.00	71.00	89.63
12	SOLAR POWER(737.70/1295.70)	0.00	0.00	1.78
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	-11.05	-12.15	-12.15
16	BIOMASS – (101.95/119.25)	6.00	3.00	5.66
17	BARSINGHAR LTPS(250/250)	26.00	26.00	26.30
18	RAJWEST (1080/1080)	229.00	229.00	208.77
	TOTAL (A) : 1-18	1574.57	1464.48	1392.18
19	BBMB COMPLEX			
a)	BHAKRA(230.79/1516.3)	29.45	29.57	29.44
b)	DEHAR (198/ 990)	5.49	4.77	5.33
c)	PONG (231.66/396)	41.87	39.59	41.87
	TOTAL : a TO c	76.80	73.93	76.64
20	CENTRAL STATIONS			
d)	SINGRAULI (300/ 2000)	79.38	85.56	85.56
e)	RIHAND (310.24/3000)	117.22	120.75	111.71
f)	UNCHAHAR-I(20/420)	5.75	17.90	8.39
g)	UNCHAHAR-II& III(61/630)	22.24	40.87	22.19
h)	INDIRA GANDHI STPS(JHAJHAR) 0.00/1500)	0.00	0.00	0.00
i)	NCTPS DADRI St-II (43.22/980) + DADRI-TH	17.36	17.08	14.27
j)	DADRI GAS (77/830)	3.09	9.10	7.50
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)	9.89	9.94	9.94
n)	RAPP-B (125/440)	16.49	16.49	16.49
o)	RAPP-C (88/440)	20.05	20.05	20.05
p)	SALAL (20.36/690)	0.81	0.84	0.77
q)	URI (70.37/720)	2.05	2.00	1.74
r)	TANAKPUR (10.86/94)	0.51	0.54	0.61
s)	CHAMERA –I (105.84/540)	3.14	3.14	3.14
t)	CHAMERA-II (29.01/300)	1.16	1.16	1.11
u)	CHAMERA-III (25.21/231)	0.76	0.76	0.76
v)	DHAULIGANGA (27/280)	0.93	0.93	0.87
w)	DULHASTI (42.42/390)	3.26	3.26	3.48
x)	SEWA (13/120)	0.39	0.39	0.39
y)	NJPC (112.00/1500)+RAMPUR(31.808/412.02)	6.84	6.55	6.55
z)	TEHRI (75/1000)	7.81	7.81	7.81
aa)	KOTESHWAR (33.44/400) + PARBATI3 (56.73/520)	2.55	2.55	5.97
ab)	TALA	0.34	0.34	0.34
ac)	MUNDRA UMPP (380/4000)	58.50	72.96	70.68
ad)	SASAN (372/3960)	83.14	88.68	88.68
ae)	FRKKA+KHLGN+TLCHR (70.18/3940)	24.12	26.92	20.79
af)	URS POWER(DADRI TH-I)	0.00	0.00	0.00
	TOTAL SCHEDULE(a TO af)	564.58	630.50	586.43
	LOSSES	-35.85	-40.10	-40.40
	NET SCHEDULED	528.73	590.41	546.02
21	BILATERAL (REG.) EXCL. BANKING	3.69	3.69	3.69
22	BANKING	18.42	18.42	18.42
23	BILATERAL(INTER-REG.). EXCLUDING (ISOA & BANKING)	112.20	93.65	113.04
24	INTER STATE OPEN ACCESS (BILATERAL+IEX)	11.05	12.15	12.15
25	INDIAN ENERGY EXCHANGE	-2.66	5.52	5.52
	TOTAL(B): (19 TO 25)	671.42	743.22	698.84
	TOTAL GENERATION (A +B) : 1 TO 25			2091.02
	OVER DRAWAL (+)/UNDER DRAWAL (-)			23.83
	GRAND TOTAL	2245.99	2207.70	2114.85
	LAST YEAR	2038.46	2125.13	2055.72

3. SYSTEM PARAMETERS AS ON 28-Dec-17

MAXIMUM DRAWL ON 28-Dec-17	10947 MW at 7.30-7.45 Hrs 49.98 Hz
MINIMUM DRAWL ON 28-Dec-17	6837 MW at 04.00-4.15 Hrs 50.02Hz
Max O/D of the day	439 MW at 17.30-17.45 HRS 50.02 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	0
NO. OF VIOLATION (OD BLOCKS) IN WHICH FREQ. >= 49.7 & <49.9 Hz	0
No. of Blocks in which Freq. >= 49.9 & <50.00 Hz	40
NO. OF BLOCKS(OD ABOVE 250 MW) IN WHICH FREQ. >= 49.9 & <50.00 Hz	15
NO. OF BLOCKS(UD ABOVE 250 MW) IN WHICH FREQ. >= 49.9 & <50.00 Hz	0
No. of Blocks in which Freq. >= 50.00 & <50.05 Hz	46
NO. OF BLOCKS(OD ABOVE 250 MW) IN WHICH FREQ. >= 50.00 & <50.05 Hz	5
NO. OF BLOCKS(UD ABOVE 250 MW) IN WHICH FREQ. >= 50.00 & <50.05 Hz	4
No. of Blocks in which Freq. >= 50.05 & <50.10 Hz	9
NO. OF UD BLOCKS IN WHICH FREQ. >= 50.05 & <50.10 Hz	5
No. of Blocks in which Freq. >= 50.10	1
NO. OF VIOLATION(UD BLOCKS)IN WHICH FREQ. >= 50.10	1

4. WATER LEVEL OF MAJOR RESERVOIR

Name of reservoir	Capacity level		Actual Level as on		Discharge (cusecs)	Inflow (cusecs)
	Max.	Min.	29-Dec-17	29-Dec-16		
Gandhi Sagar (FL)	1312	1250	1292.11	1308.04	8553	8
R.P.Sagar (FL)	1157.5	1128	1136.02	1140.45	3473	13685
Jawahar Sagar (FL)	980	970.4	976.40	975.10	7486	1300
Kota Barrage(FL)	854.5	852.3	854.50	854.50		
RMC					6225	
LMC					1500	
Bhakra(FL)	1690	1462	1638.71	1604.17	18240	6312
Dehar (FL)	2941	2900	2923.03	2922.90	1454	1820
Pong(FL)	1421	1260	1346.96	1340.04	16501	3116
Mahi-I (Mts.)	281.5	259	278.20	279.05	3107	NIL
Mahi-II (Mts.)	220.5	217	218.04	217.40	NIL	NIL

5. POSITION OF COAL STOCK (In MT)

AVERAGE FREQ. FOR THE DAY	28-Dec-17	50.00 Hz	Date	Name of Station	Stock at 00.00 hrs. (MT)	Coal stock sufficient for No. of days
Max O/D of the day	636 MW at 19.45-20.00 HRS 49.96 Hz		29-Dec-17	KTPS	102025	5 DAYS
Frequency Profile	% of Time					
LESS THAN 49.7 HZ	0.00					
LESS THAN 49.90 HZ	4.02					
OPERATING RANGE (49.90 HZ TO 50.05 HZ)	77.30					
ABOVE 50.05 HZ	18.68					
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	28		29-Dec-17	STPS	41984	1.5 DAYS
No. of 132 KV Feeders Disconnected	0					
			29-Dec-17	CHHABRA	167823	22 DAYS
			29-Dec-17	KALISINDH	75325	5.5 DAYS

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

29-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	HRSIG2*	55.00	50	12.00	50	13-Jul-16	16.35			BOXED UP-PERMISSION GIVEN BY RVNVL ON DATE 17.08.17 BUT PROBLEM IN DCCPP END)
DCCPP	GT92*	110.00	100	24.00	100	13-Jul-16	16.40			BOXED UP-PERMISSION GIVEN BY RVNVL ON DATE 17.08.17 BUT PROBLEM IN DCCPP END)
STPS	2*	250.00	229	55.00	229	08-Dec-17	14.36			BOXED UP
STPS	6*	250.00	229	55.00	229	21-Dec-17	22.12			BOXED UP
STPS	5*	250.00	229	55.00	229	22-Dec-17	6.30			BOXED UP
STPS	3*	250.00	229	55.00	229	24-Dec-17	20.03			BOXED UP
Total(A) STATE SECTOR-PLANNED OUTAGE		1290.00	1136.00	272.80	1136.00					

CENTRAL SECTOR

DADRI GFS	4	130.19	22	5.30	22	18-Oct-17	6.00			RESERVE SHUTDOWN
DADRI GFS	6	154.00	22	5.30	22	28-Oct-17	22.22			RESERVE SHUTDOWN
DADRI GFS	3	130.00	22	5.30	22	25-Oct-17	22.30			RESERVE SHUTDOWN
AURAIYA GFS	4	111.00	18	4.40	18	25-Oct-17	22.43			RESERVE SHUTDOWN
AURAIYA GFS	6	109.00	18	4.40	18	25-Oct-17	22.09			RESERVE SHUTDOWN
AURAIYA GFS	3	111.00	18	4.40	18	25-Oct-17	22.12			RESERVE SHUTDOWN
AURAIYA GFS	1	111.19	18	4.40	18	10-Nov-17	21.13			LESS DEMAND
ANTA GFS	2	88.71	31	7.50	31	10-Nov-17	21.09			LESS DEMAND
SINGRAULI	3	200.00	34	8.20	34	21-Nov-17	5.59			ANNUAL MAINTENANCE
ANTA GFS	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 GFS	5	109.00	18	4.40	18	19-Dec-17	19.42			RESERVE SHUTDOWN
AURAIYA GFS	2	111.19	18	4.40	18	19-Dec-17	19.53			RESERVE SHUTDOWN
DADRI GFS	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) FORCED OUTAGE

STATE SECTOR

STATE SECTOR

GIRAL	2	125.00	70	16.80	70	27-Jun-16	15.27			DESYNCHRONIZED DUE TO ATTEND TUBE LEAKAGE IN ASH COOLAR-1
DCCPP	HRSIG1	55.00	50	12.00	50	11-Dec-17	21.12			SYSTEM LINE VOLTAGE INCREASED
DCCPP	GT91	110.00	100	24.00	100	12-Dec-17	23.34			AIR INLET DIFFERENTIAL PRESSURE HIGH
CHHABRA	3	250.00	210	54.00	210	13-Dec-17	12.27	18-Jun-18		ELECTICAL PROTECTION(SD @ 10.01.2018)
BARSINGGAR	2	125.00	110	26.40	110	15-Dec-17	13.04	29-Dec-17		Refactory failure
BANGARH	STG2	50.00	40	9.60	40	23-Dec-17	0.01	12-Jun-18		SD FOR HGFP & GENERATOR OVERHAULING WORK WILL BE CARRIED OUT OF GT(21 DAYS)
BANGARH	GT93	110.00	100	24.00	100	23-Dec-17	0.05	12-Jun-18		SD FOR HGFP & GENERATOR OVERHAULING WORK WILL BE CARRIED OUT OF GT(21 DAYS)
CHHABRA	4	250.00	225	0.00	0	24-Dec-17	4.48	28-Dec-17	8.12	BOILER TUBE LEAKAGE
CHHABRA	1	250.00	225	0.00	0	28-Dec-17	2.09	28-Dec-17	4.10	LOSS OF ALL FUEL
KTPS	5	210.00	192	0.00	0	28-Dec-17	6.26	28-Dec-17	12.54	LOSS OF FUEL
KTPS	5	210.00	192	32.43	192	29-Dec-17	7.05			AVR (AUTOMATIC VOLTAGE REGULATION)
Total(B) STATE SECTOR-FORCED OUTAGE		1745.00	1514.00	199.23	872.00					

CENTRAL SECTOR

UNCHABAR	6	500.00	NA	NA	NA	01-Nov-17	15.40			TURBINE PRESSURE HIGH
ANTA GFS	4	153.20	34	8.20	34	18-Dec-17	0.00			ROTOR JAM
RIBAND	3	500.00	59	0.00	0	28-Dec-17	9.01	28-Dec-17	17.00	BOTH ID FAN OFF
Total(B) CENTRAL SECTOR-FORCED OUTAGE		1153.20	93.00	8.20	34.00					
G.TOTAL				207.43	906.00					

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 (\$).