



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

Power Position 01-Jan-18	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										
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	2090.83	1996.89	9.47	8.17	11132.00	9156	49.98	175.32
30-Dec-17	2180.33	2082.50	2064.08	1983.17	27.58	-0.97	10327.00	9567.00	49.98	80.93
31-Dec-17	2123.86	1998.36	2032.67	1968.74	5.40	14.27	10551.00	9429.00	49.99	57.28
01-Jan-18	2181.15	2071.32								
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	Prior assessment of Avail. For next Day	Prior assessment of Avail.	Actual Energy Received	Prior assessment of Avail. For next Day	Prior assessment of Avail.	Actual Energy Received
1	KTPS (1240/1240)	267.00	270.00	223.72	267.00	267.00	239.15	267.00	267.00	223.72
2	STPS (1500/1500)	110.00	110.00	94.75	110.00	110.00	95.13	110.00	110.00	94.75
3	DHOLPUR GAS CAPP (330/330)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
4	RAMGARH (273.5/273.5)	21.00	17.00	21.40	21.00	21.00	21.50	12.00	21.00	19.30
5	RAPP-A(200/200)	43.00	43.00	44.12	43.00	43.00	43.98	43.00	43.00	46.58
6	MAHI (140/140)	0.00	0.00	8.97	0.00	0.00	7.63	0.00	0.00	7.39
7	CHAMBAL (RPS+JS) (135.5/271)	38.62	38.62	33.17	38.62	38.62	36.88	38.62	38.62	33.17
8	GIRAL LIGNITE (250/250)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
9	CHHABRA TPS 1000/1000)	164.00	162.00	149.10	164.00	164.00	146.49	164.00	164.00	150.10
10	ADANI (TPS) + KALISINDH (TPS) (1200+1200/1320+1200)	561.00	561.00	494.59	561.00	561.00	510.15	561.00	561.00	501.49
11	WIND FARM (3980.40/4119.15)	88.50	123.00	175.32	30.25	88.50	80.93	47.00	30.25	57.28
12	SOLAR POWER(737.70/1295.70)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13	CAPTIVE POWER PLANTS	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
14	REGIONAL (INTRA STATE) O.A.(VLTPS)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
15	OPEN ACCESS	-10.31	-11.05	-11.22	-8.76	-10.31	-10.31	6.01	-8.76	-8.76
16	BIOMASS – (101.95/119.25)	6.00	6.00	4.94	5.00	6.00	5.71	5.00	5.00	6.41
17	BARSINGHSAR LTPS(250/250)	26.00	26.00	24.63	52.00	26.00	24.47	53.00	52.00	54.96
18	RAJWEST (1080/1080)	201.00	229.00	182.70	201.00	201.00	181.36	201.00	201.00	182.70
	TOTAL (A) : 1-18	1515.81	1574.57	1446.19	1484.11	1515.81	1383.07	1507.63	1484.11	1369.09
19	BBMB COMPLEX									
a)	BHAKRA(230.79/1516.3)	29.29	29.45	29.60	29.57	29.29	29.33	29.81	29.57	29.77
b)	DEHAR (198/ 990)	6.44	5.49	6.68	5.73	6.44	6.04	4.69	5.73	5.33
c)	PONG (231.66/396)	41.20	41.87	41.20	38.73	41.20	38.07	35.12	38.73	36.36
	TOTAL : a TO c	76.94	76.80	77.48	74.03	76.94	73.44	69.63	74.03	71.46
20	CENTRAL STATIONS									
d)	SINGRAULI (300/2000)	66.55	79.38	62.04	94.98	66.55	67.29	93.88	94.98	95.18
e)	RIHAND (310.24/3000)	117.66	117.22	117.22	71.06	117.66	117.66	125.97	71.06	112.91
f)	UNCHAHAR-I(20/420)	5.87	5.75	3.90	5.87	5.87	5.23	5.88	5.87	4.75
g)	UNCHAHAR-II& III(61/630)	23.10	22.24	13.85	23.19	23.10	20.81	23.28	23.19	15.73
h)	INDIRA GANDHI STPS(JHAJHAR) 0.00/1500)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
i)	NCTPS DADRI St-II (43.22/980) + DADRI-TH	17.33	17.36	10.95	17.34	17.33	14.60	17.24	17.34	9.06
j)	DADRI GAS (77/830)	3.00	3.09	2.84	3.79	3.00	3.06	3.70	3.79	6.51
k)	ANTA (83.07/419)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
l)	AURAIYA (61.03/663)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
m)	NAPP (44/440)	9.91	9.89	9.89	9.89	9.91	9.91	9.89	9.89	9.89
n)	RAPP-B (125/440)	16.66	16.49	16.49	16.66	16.66	16.66	16.66	16.66	16.66
o)	RAPP-C (88/440)	19.86	20.05	20.05	19.86	19.86	19.86	19.86	19.86	19.86
p)	SALAL (20.36/690)	0.86	0.81	0.68	0.70	0.86	0.72	0.81	0.70	0.68
q)	URI (70.37/720)	2.00	2.05	1.98	1.88	2.00	1.76	2.71	1.88	1.74
r)	TANAKPUR (10.86/94)	0.51	0.51	0.54	0.54	0.51	0.58	0.36	0.54	0.57
s)	CHAMERA-I (105.84/540)	3.14	3.14	3.14	3.14	3.14	3.14	3.14	3.14	3.14
t)	CHAMERA-II (29.01/300)	1.11	1.16	1.19	1.11	1.11	1.11	1.06	1.11	1.02
u)	CHAMERA-III (25.21/231)	0.76	0.76	0.76	0.75	0.76	0.76	0.75	0.75	0.75
v)	DHAULIGANGA (27/280)	0.90	0.93	0.93	0.88	0.90	0.90	0.88	0.88	0.88
w)	DULHASTI (42.42/390)	3.05	3.26	3.26	3.05	3.05	2.89	2.72	2.72	2.72
x)	SEWA (13/120)	0.39	0.39	0.39	0.39	0.39	0.39	0.39	0.39	0.39
y)	NJPC (112.00/1500)+RAMPUR(31.808/412.02)	6.45	6.84	6.93	6.45	6.45	6.45	6.93	6.45	6.45
z)	TEHRI (75/1000)	7.72	7.81	7.81	7.35	7.72	7.72	7.35	7.35	7.35
aa)	KOTESHWAR (33.44/400) + PARBATI3 (56.73/520)	5.97	2.55	5.97	5.86	5.97	6.18	5.86	5.86	5.86
ab)	TALA	0.30	0.34	0.34	0.28	0.30	0.30	0.28	0.28	0.28
ac)	MUNDRA UMPP (380/4000)	62.95	58.50	58.50	64.51	62.95	62.95	59.19	64.51	63.94
ad)	SASAN (372/3960)	88.68	83.14	83.14	88.68	88.68	88.68	84.06	88.68	88.68
ae)	FRKKA+KHLGN+TLCHR (70.18/3940)	24.25	24.12	18.66	23.89	24.25	21.66	23.93	23.89	19.82
af)	URS POWER(DADRI TH-I)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TOTAL SCHEDULED(a TO af)	565.94	564.58	528.94	545.81	565.94	554.74	586.42	545.81	566.29
	LOSSES	-38.90	-35.85	-36.58	-37.31	-38.90	-38.22	-40.35	-37.31	-39.34
	NET SCHEDULED	527.04	528.73	492.36	508.50	527.04	516.52	546.07	508.50	526.95
21	BILATERAL (REG.) EXCL. BANKING	3.69	3.69	3.69	3.69	3.69	3.69	3.69	3.69	3.69
22	BANKING	18.42	18.42	18.42	18.42	18.42	18.42	15.74	18.42	18.42
23	BILATERAL(INTER-REG.) EXCLUDING (ISOA & BANKING)	102.67	91.46	112.14	113.04	82.39	102.11	113.16	93.39	113.04
24	INTER STATE OPEN ACCESS (BILATERAL+HEX)	10.31	11.05	11.22	8.76	10.31	10.31	-6.01	8.76	8.76
25	INDIAN ENERGY EXCHANGE	2.39	-2.66	-2.66	-12.66	2.39	2.39	0.88	-12.66	-12.66
	TOTAL(B): (19 TO 25)	664.52	671.42	635.17	639.75	664.52	653.43	673.52	639.75	658.20
	TOTAL GENERATION (A + B) : 1 TO 25			2081.35			2036.50			2027.28
	OVER DRAWAL (+)/UNDER DRAWAL (-)			9.47			27.58			5.39
	GRAND TOTAL	2180.33	2245.99	2090.82	2123.86	2180.33	2064.08	2181.15	2123.86	2032.68
	LAST YEAR	2082.50	2038.46	1996.88	1998.36	2082.50	1983.17	2071.32	1998.36	1968.74

3. SYSTEM PARAMETERS AS ON 31-Dec-17

MAXIMUM DRAWL ON 31-Dec-17	10551 MW at 8.30 Hrs 49.90 Hz
MINIMUM DRAWL ON 31-Dec-17	6508 MW at 4.15Hrs 49.94Hz
Max U/D of the day	570 MW at 22.00 HRS 49.98 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	46
NO. OF BLOCKS(OD ABOVE 250 MW) IN WHICH FREQ. >= 49.9 & <50.00 Hz	10
NO. OF BLOCKS(UD ABOVE 250 MW) IN WHICH FREQ. >= 49.9 & <50.00 Hz	4
No. of Blocks in which Freq. >= 50.00 & <50.05 Hz	39
NO. OF BLOCKS(OD ABOVE 250 MW) IN WHICH FREQ. >= 50.00 & <50.05 Hz	1
NO. OF BLOCKS(UD ABOVE 250 MW) IN WHICH FREQ. >= 50.00 & <50.05 Hz	3
No. of Blocks in which Freq. >= 50.05 & <50.10 Hz	11
NO. OF UD BLOCKS IN WHICH FREQ. >= 50.05 & <50.10 Hz	6
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.	1-Jan-18	1-Jan-17		
Gandhi Sagar (Ft.)	1312	1250	NA	1307.80	8553	NA
R.P.Sagar (Ft.)	1157.5	1128	1137.25	1140.14	3473	NA
Jawahar Sagar (Ft.)	980	970.4	974.00	977.10	7486	NA
Kota Barrage(Ft.)	854.5	852.3	854.50	854.40		
RMC					6225	
LMC					1500	
Bhakra(Ft.)	1690	1462	1636.47	1602.09	18480	6391
Dehar (Ft.)	2941	2900	2922.11	2919.09	1431	1720
Pong(Ft.)	1421	1260	1345.31	1338.77	14210	2833
Mahi-I (Mts.)	281.5	259	278.10	278.65	3107	NIL
Mahi-II (Mts.)	220.5	217	217.90	217.50	NIL	NIL

5. POSITION OF COAL STOCK (In MT)

AVERAGE FREQ. FOR THE DAY	31-Dec-17	49.99 Hz	Date	Name of Station	Stock at 00.00 hrs. (MT)	Coal stock sufficient for No. of days		
Max O/D of the day		566 MW at 9.15 HRS 49.96 Hz	1-Jan-18	KTPS	79386	4 days		
Frequency Profile		% of Time						
LESS THAN 49.7 HZ		0.00						
LESS THAN 49.90 HZ		6.53						
OPERATING RANGE (49.90 HZ TO 50.05 HZ)		76.74						
ABOVE 50.05 HZ		16.73						
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		0						
No. of 132 KV Feeders Disconnected		0	STPS	51709	2 days			
6. GENERATING UNIT OUTAGE REPORT UP TO 8.00 HRS OF DT. 1-Jan-18								
						KALISINDH	66283	4.5 days

(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	HRSG02*	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 DCPP END)
DCCPP	GT2*	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 DCPP 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	0.30			BOXED UP
STPS	3*	250.00	229	55.00	229	24-Dec-17	20.03			BOXED UP
DCCPP	HRSG01	55.00	50	12.00	50	11-Dec-17	21.12			SYSTEM LINE VOLTAGE INCREASED
DCCPP	GTW1	110.00	100	24.00	100	12-Dec-17	23.34			AIR INLET DIFFERENTIAL PRESSURE HIGH
Total(A) STATE SECTOR-PLANNED OUTAGE			1455.00	1286.00	308.80	1286.00				

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
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			1604.18	320.80	77.67	320.80				

(B) FORCE OUTAGE

STATE SECTOR										
NAME OF STATION	UNIT OUT	INSTALLED CAPACITY	NET ALLOC/ AVAIL (MW)			OUTAGE		EXPECT/REVIVAL		REASON OF OUTAGE
GIRAL	2	125.00	70	16.80	70	27-Jan-16	15.27			DESYNCHRONIZED DUE TO ATTEND TUBE LEAKAGE IN ASH COOLAR-I
CHHABRA	3	250.00	210	54.00	210	13-Dec-17	12.27	10-Jan-18		ELECTICAL PROTECTIONS(SD @ 10.01.2018)
RAMGARH	STG02	50.00	40	9.60	40	23-Dec-17	0.01	12-Jan-18		SD FOR HGPT & GENERATOR OVERHAULING WORK WILL BE CARRIED OUT OF GT3 (21 DAYS)
RAMGARH	GTW3	110.00	100	24.00	100	23-Dec-17	0.05	12-Jan-18		SD FOR HGPT & GENERATOR OVERHAULING WORK WILL BE CARRIED OUT OF GT3 (21 DAYS)
RAJWEST	2	135.00	120	28.68	120	29-Dec-17	12.31			BAD MATERIS LEAKAGE
RAMGARH GT	2	37.50	29	7.00	29	31-Dec-17	20.18			SD OF FOCUS ENERGY LTD
STPS	1	250.00	229	55.00	229	01-Jan-18	6.39			
Total(B) STATE SECTOR-FORCED OUTAGE			957.50	798.00	195.68	798.00				
CENTRAL SECTOR										
UNCHAHAR	6	500.00	NA	NA	NA	01-Nov-17	15.40			FURNISH PRESSURE HIGH
ANTA GPS	4	153.20	34	8.20	34	18-Dec-17	0.00			ROTOR JAM
Total(B) CENTRAL SECTOR-FORCED OUTAGE			653.20	34.00	8.20	34.00				
G.TOTAL			203.28	832.00						

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 (\$).