



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

Power Position 28-Dec-17	Point No.
Date-wise Energy Availability, Consumption, Peak Load & Average Frequency	1
Energy Availability / Generation from different Sources	2
System Parameters	3
Water Level of major Reservoirs	4
Position of Coal Stock at KTPS,STPS & CHHABRA	5
Outage of major Generating Units	6

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								
29-Dec-17										
30-Dec-17										
31-Dec-17										
MAXIMUM OF THE MONTH	2239.29	2125.13	2114.18	2023.97	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
		27-Dec-17		
1	KTPS (1240/1240)	270.00	270.00	254.87
2	STPS (1500/1500)	110.00	110.00	91.94
3	DHOLPUR GAS CAPP (330/330)	0.00	0.00	0.00
4	RAMGARH (273.5/273.5)	17.00	24.00	20.10
5	RAPP-A(200/200)	43.00	43.00	44.44
6	MAHI (140/140)	0.00	0.00	7.04
7	CHAMBAL (RPS+JS) (135.5/271)	38.62	38.62	35.33
8	GIRAL LIGNITE (250/250)	0.00	0.00	0.00
9	CHHABRA TPS 1000/1000)	108.00	108.00	92.76
10	ADANI (TPS) + KALISINDH (TPS) (1200+1200/1320+1200)	561.00	561.00	528.90
11	WIND FARM (3980.40/4119.15)	71.00	73.00	30.42
12	SOLAR POWER(737.70/1295.70)	0.00	0.00	0.81
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	-12.15	-29.65	-30.00
16	BIOMASS – (101.95/119.25)	3.00	3.00	6.31
17	BARSINGHAR LTPS(250/250)	26.00	26.00	26.05
18	RAJWEST (1080/1080)	229.00	229.00	222.11
	TOTAL (A) : 1-18	1464.48	1455.97	1331.07
19	BBMB COMPLEX			
a)	BHAKRA(230.79/1516.3)	29.57	29.21	28.99
b)	DEHAR (198/ 990)	4.77	4.77	4.93
c)	PONG (231.66/396)	39.59	38.33	41.75
	TOTAL : a TO c	73.93	72.31	75.67
20	CENTRAL STATIONS			
d)	SINGRAULI (300/ 2000)	85.56	84.41	84.41
e)	RIHAND (310.24/3000)	120.75	117.69	117.69
f)	UNCHAHAAR-I(20/420)	17.90	24.86	10.28
g)	UNCHAHAAR-II& III(61/630)	40.87	41.68	26.79
h)	INDIRA GANDHI STPS(JHAJHAR) 0.00/1500)	0.00	0.00	0.00
i)	NCTPS DADRI St-II (43.22/980) + DADRI-TH	17.08	28.60	27.12
j)	DADRI GAS (77/830)	9.10	9.90	10.25
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)	9.94	9.94	9.94
n)	RAPP-B (125/440)	16.49	16.41	16.41
o)	RAPP-C (88/440)	20.05	19.91	19.91
p)	SALAL (20.36/690)	0.84	0.89	0.74
q)	URI (70.37/720)	2.00	2.07	1.96
r)	TANAKPUR (10.86/94)	0.54	0.56	0.59
s)	CHAMERA –I (105.84/540)	3.14	3.14	3.14
t)	CHAMERA-II (29.01/300)	1.16	1.16	1.09
u)	CHAMERA-III (25.21/231)	0.76	0.76	0.76
v)	DHAULIGANGA (27/280)	0.93	0.97	0.97
w)	DULHASTI (42.42/390)	3.26	3.26	3.26
x)	SEWA (13/120)	0.39	0.43	0.43
y)	NJPC (112.00/1500)+RAMPUR(31.808/412.02)	6.55	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	6.00	5.97
ab)	TALA	0.34	0.41	0.41
ac)	MUNDRA UMPP (380/4000)	72.96	72.96	72.96
ad)	SASAN (372/3960)	88.68	88.68	88.68
ae)	FRKKA+KHLGN+TLCHR (70.18/3940)	26.92	23.88	23.18
af)	URS POWER(DADRI TH-I)	0.00	0.00	0.00
	TOTAL SCHEDULE(a TO af)	630.50	645.25	616.98
	LOSSES	-40.10	-44.20	-42.34
	NET SCHEDULED	590.41	601.05	574.64
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)	113.04	115.61	113.04
24	INTER STATE OPEN ACCESS (BILATERAL+IEX)	12.15	29.65	30.00
25	INDIAN ENERGY EXCHANGE	5.52	17.47	17.47
	TOTAL(B): (19 TO 25)	743.22	783.32	757.25
	TOTAL GENERATION (A +B) : 1 TO 25			2088.33
	OVER DRAWAL (+)/UNDER DRAWAL (-)			25.18
	GRAND TOTAL	2207.70	2239.29	2113.50
	LAST YEAR	2125.13	1939.87	1973.77

3. SYSTEM PARAMETERS AS ON 27-Dec-17

MAXIMUM DRAWL ON 27-Dec-17	16529 MW at 7.15-7.30 Hrs 49.86 Hz
MINIMUM DRAWL ON 27-Dec-17	6899 MW at 04.00-4.15 Hrs 49.99Hz
Max O/D of the day	365 MW at 21.15 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	7
NO. OF VIOLATION (OD BLOCKS) IN WHICH FREQ. >= 49.7 & <49.9 Hz	7
No. of Blocks in which Freq. >= 49.9 & <50.00 Hz	54
NO. OF BLOCKS(OD ABOVE 250 MW) IN WHICH FREQ. >= 49.9 & <50.00 Hz	11
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	28
NO. OF BLOCKS(OD ABOVE 250 MW) IN WHICH FREQ. >= 50.00 & <50.05 Hz	4
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	7
NO. OF UD BLOCKS IN WHICH FREQ. >= 50.05 & <50.10 Hz	3
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 (cumecs)	Inflow (cumecs)
	Max.	Min.	28-Dec-17	28-Dec-16		
Gandhi Sagar (FL)	1312	1250	1292.29	1308.19	8504	51
R.P.Sagar (FL)	1157.5	1128	1136.06	1140.47	8674	10446
Jawahar Sagar (FL)	980	970.4	976.10	978.90	NA	NA
Kota Barrage(FL)	854.5	852.3	854.50	854.50		
RMC					6225	
LMC					1500	
Bhakra(FL)	1690	1462	1640.19	1604.90	18055	4651
Dehar (FL)	2941	2900	2922.63	2922.37	1402	2179
Pong(FL)	1421	1260	1348.12	1340.47	14801	2978
Mahi-I (Mts.)	281.5	259	278.40	278.90	4200	NIL
Mahi-II (Mts.)	220.5	217	218.05	217.95	NA	NIL

5. POSITION OF COAL STOCK (In MT)

AVERAGE FREQ. FOR THE DAY	27-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	625 MW at 11.00 HRS 49.96 Hz		28-Dec-17	KTPS	112115	5.5 DAYS
Frequency Profile	% of Time			STPS	37316	1.5 DAYS
LESS THAN 49.7 HZ	0.00			CHHABRA	156356	21 DAYS
LESS THAN 49.90 HZ	13.07			KALISINDH	78882	5.5 DAYS
OPERATING RANGE (49.90 HZ TO 50.05 HZ)	72.89					
ABOVE 50.05 HZ	14.04					
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	48					
No. of 132 KV Feeders Disconnected	0					

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

28-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	HRSG02*	55.00	50	12.00	50	13-Jul-16	16.35			BOXED UP/PERMISSION GIVEN BY RCVNL ON DATE 17.06.17 BUT PROBLEM IN DCCPP END
DCCPP	GT02*	110.00	100	24.00	100	13-Jul-16	16.40			BOXED UP/PERMISSION GIVEN BY RCVNL ON DATE 17.06.17 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	23-Dec-17	6.30			BOXED UP
STPS	3*	250.00	229	55.00	229	24-Dec-17	20.03			BOXED UP
TotalA I 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	25-Oct-17	22.22			RESERVE SHUTDOWN
DADRI GFS	3	130.00	22	5.30	22	25-Oct-17	22.30			RESERVE SHUTDOWN
AURAYA GFS	4	111.00	18	4.40	18	25-Oct-17	22.43			RESERVE SHUTDOWN
AURAYA GFS	6	109.00	18	4.40	18	25-Oct-17	23.09			RESERVE SHUTDOWN
AURAYA GFS	3	111.00	18	4.40	18	25-Oct-17	23.12			RESERVE SHUTDOWN
AURAYA GFS	1	111.19	18	4.40	18	10-Nov-17	21.13			LESS DEMAND
ANTA GFS	2	88.71	31	7.50	31	18-Nov-17	21.58			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
AURAYA GFS	5	109.00	18	4.40	18	19-Dec-17	19.42			RESERVE SHUTDOWN
AURAYA 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
TotalA-CENTRAL SECTOR-PLANNED OUTAGE										
		1004.18	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	HRSG01	55.00	50	12.00	50	11-Dec-17	21.12			SYSTEM LINE VOLTAGE INCREASED
DCCPP	GT01	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	19-Jun-18		ELECTICAL PROTECTION(S/D @ 10.0.2018)
BARSINGGAR	2	125.00	110	26.40	110	15-Dec-17	13.04	29-Dec-17		Refractory failure
BANGARH	STG02	50.00	40	9.60	40	23-Dec-17	0.01	12-Jun-18		SD FOR HGP & GENERATOR OVERHAULING WORK WILL BE CARRIED OUT OF GT(21 DAYS)
BANGARH	GT03	110.00	100	24.00	100	23-Dec-17	0.05	12-Jun-18		SD FOR HGP & GENERATOR OVERHAULING WORK WILL BE CARRIED OUT OF GT(21 DAYS)
CHHABRA	4	250.00	225	54.00	225	24-Dec-17	4.48	28-Dec-17		BOILER TUBE LEAKAGE
CHHABRA	2	250.00	225	6.00	225	27-Dec-17	5.06	27-Dec-17	8.59	FLAM FAILURE
CHHABRA	1	250.00	225	6.00	0	28-Dec-17	2.09	28-Dec-17	4.10	LOSS OF ALL FUEL
RTPS	5	210.00	192	33.60	192	28-Dec-17	6.26			LOSS OF ALL FUEL
TotalB I STATE SECTOR-FORCED OUTAGE										
		1785.00	1547.00	254.48	1322.00					

CENTRAL SECTOR

ENCHAHAR	6	900.00	NA	NA	NA	01-Nov-17	15.40			FURNISH PRESSURE HIGH
ANTA GFS	4	153.20	34	8.20	34	18-Dec-17	0.00			
TotalB II CENTRAL SECTOR-FORCED OUTAGE										
		653.20	34.00	8.20	34.00					
G.TOTAL				262.68	1356.00					

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 (S).