



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

Power Position 18-Dec-17		Point No.
Date-wise Energy Availability, Consumption, Peak Load & Average Frequency		1
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System Parameters		3
Water Level of major Reservoirs		4
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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		
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								
19-Dec-17										
20-Dec-17										
21-Dec-17										
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	2137.33	2079.45	2014.88	2023.97	52.10	45.13	11008.00	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	2015.81	1967.09	1940.99	1951.03	19.50	16.82	10326.00	9380.29	49.97	132.38
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)							11215	(07.30-07.45 Hrs.)	29-Nov-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									
											15-Dec-17			16-Dec-17			17-Dec-17		
1	KTPS (1240/1240)	227.00	227.00	215.93	263.00	227.00	198.51	270.00	263.00	220.92									
2	STPS (1500/1500)	220.00	220.00	203.06	264.00	220.00	185.51	273.00	264.00	207.77									
3	DHOLPUR GAS CCPP (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)	45.00	47.00	39.14	45.00	45.00	38.91	47.00	45.00	40.05									
5	RAPP-A(200/200)	43.00	43.00	44.07	43.00	43.00	44.19	43.00	43.00	44.15									
6	MAHI (140/140)	0.00	0.00	5.98	0.00	0.00	8.10	0.00	0.00	7.04									
7	CHAMBAL (RPS+JS) (135.5/271)	38.62	38.62	43.51	38.62	38.62	33.41	38.62	38.62	33.18									
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)	166.00	166.00	153.00	164.00	166.00	157.12	164.00	164.00	148.35									
10	ADANI (TPS) + KALISINDH (TPS) (1200+1200/1320+1200)	269.28	269.28	291.31	284.00	269.28	310.15	285.00	284.00	245.48									
11	WIND FARM (3980.40/4119.15)	217.00	313.00	228.63	227.00	217.00	250.85	101.50	227.00	257.48									
12	SOLAR POWER(737.70/1295.70)	0.00	0.00	0.00	0.00	0.00	0.96	0.00	0.00	1.78									
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	19.51	19.82	19.64	12.96	19.51	19.28	16.00	12.96	12.98									
16	BIOMASS – (101.95/119.25)	5.00	5.00	4.64	5.00	5.00	4.90	5.00	5.00	5.00									
17	BARSINGHAR LTPS(250/250)	24.00	26.00	0.00	26.00	24.00	20.95	26.00	26.00	25.53									
18	RAJWEST (1080/1080)	201.00	196.00	167.75	201.00	201.00	169.57	201.00	201.00	166.92									
	TOTAL (A) : 1-18	1475.41	1570.72	1416.66	1573.58	1475.41	1442.41	1470.12	1573.58	1416.63									
19	BBMB COMPLEX																		
a)	BHAKRA(230.79/1516.3)	25.29	24.75	25.69	26.06	25.29	26.09	26.49	26.06	26.72									
b)	DEHAR (198/ 990)	5.80	6.27	6.51	6.75	5.80	7.55	6.12	6.75	6.60									
c)	PONG (231.66/396)	31.77	32.15	33.00	30.43	31.77	30.34	36.23	30.43	33.95									
	TOTAL : a TO c	62.86	63.17	65.21	63.25	62.86	63.98	68.85	63.25	67.27									
20	CENTRAL STATIONS																		
d)	SINGRAULI (300/ 2000)	65.50	83.42	82.04	78.41	65.50	65.50	64.67	78.41	73.53									
e)	RIHAND (310.24/3000)	116.71	129.44	128.69	124.25	116.71	116.07	125.36	124.25	125.99									
f)	UNCHAHAHAR-I(20/420)	5.46	5.62	4.94	5.63	5.46	3.68	5.90	5.63	3.16									
g)	UNCHAHAHAR-II& III(61/630)	21.86	22.83	20.18	22.59	21.86	14.84	23.34	22.59	13.15									
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	17.21	17.32	14.67	17.35	17.21	11.40	14.45	17.35	8.61									
j)	DADRI GAS (77/830)	2.86	3.15	4.34	3.59	2.86	3.06	2.92	3.59	2.19									
k)	ANTA (83.07/419)	0.00	0.00	2.16	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)	9.89	9.98	9.98	9.96	9.89	9.89	10.01	9.96	9.96									
n)	RAPP-B (125/440)	34.44	34.53	34.53	34.44	34.44	34.44	34.61	34.44	34.44									
o)	RAPP-C (88/440)	19.62	19.62	19.62	19.62	19.62	19.62	19.62	19.62	19.62									
p)	SALAL (20.36/690)	0.89	0.86	0.80	0.81	0.89	0.89	0.89	0.81	0.73									
q)	URI (70.37/720)	4.09	4.04	4.24	4.16	4.09	4.31	4.06	4.16	4.28									
r)	TANAKPUR (10.86/94)	0.78	0.80	0.80	0.71	0.78	0.74	0.71	0.71	0.65									
s)	CHAMERA –I (105.84/540)	3.14	3.14	3.14	3.14	3.14	3.14	2.94	3.14	3.14									
t)	CHAMERA-II (29.01/300)	1.16	1.16	1.12	1.21	1.16	1.26	1.26	1.21	1.21									
u)	CHAMERA-III (25.21/231)	0.76	0.76	0.76	0.76	0.76	0.76	0.76	0.76	0.76									
v)	DHAULIGANGA (27/280)	0.97	1.13	1.10	0.90	0.97	0.92	0.90	0.90	0.90									
w)	DULHASTI (42.42/390)	2.99	3.16	3.16	2.99	2.99	2.99	2.99	2.99	2.99									
x)	SEWA (13/120)	0.39	0.39	0.39	0.39	0.39	0.39	0.32	0.39	0.39									
y)	NJPC (112.00/1500)+RAMPUR(31.808/412.02)	6.93	6.93	7.50	6.93	6.93	7.31	7.22	6.93	7.36									
z)	TEHRI (75/1000)	5.46	5.15	5.15	5.46	5.46	5.46	5.46	5.46	5.93									
aa)	KOTESHWAR (33.44/400) + PARBATI3 (56.73/520)	2.84	2.58	5.08	2.84	2.84	5.35	2.84	2.84	5.29									
ab)	TALA	0.47	0.50	0.50	0.52	0.47	0.47	0.47	0.52	0.52									
ac)	MUNDRA UMPP (380/4000)	55.48	57.25	55.01	64.76	55.48	53.35	54.72	64.76	57.15									
ad)	SASAN (372/3960)	47.70	52.80	52.80	72.33	47.70	52.20	79.80	72.33	77.79									
ae)	FRKKA+KHLGN+TLCHR (70.18/3940)	22.54	22.54	20.78	22.89	22.54	19.18	22.94	22.89	18.02									
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)	513.01	552.28	548.68	569.88	513.01	501.19	558.01	569.88	545.04									
	LOSSES	-28.03	-30.57	-32.77	-31.34	-28.03	-29.83	-28.10	-31.34	-32.47									
	NET SCHEDULED	484.98	521.71	515.91	538.54	484.98	471.36	529.91	538.54	512.57									
21	BILATERAL (REG.) EXCL. BANKING	4.20	4.20	4.20	3.97	4.20	4.20	3.99	3.97	3.97									
22	BANKING	18.54	18.54	18.54	18.54	18.54	18.54	18.59	18.54	18.54									
23	BILATERAL (INTER-REG.) EXCLUDING (ISOA & BANKING)	64.58	102.32	90.89	57.18	45.79	64.10	57.27	39.10	57.18									
24	INTER STATE OPEN ACCESS (BILATERAL+IEX)	-19.51	-19.82	-19.64	-12.96	-19.51	-19.28	-16.00	-12.96	-12.98									
25	INDIAN ENERGY EXCHANGE	-41.67	-79.64	-79.64	-50.26	-41.67	-41.67	11.10	-50.26	-50.26									
	TOTAL(B): (19 TO 25)	511.12	566.62	530.25	555.00	511.12	497.25	604.87	555.00	529.01									
	TOTAL GENERATION (A + B) : 1 TO 25			1946.91			1939.66			1945.64									
	OVER DRAWAL (+)/UNDER DRAWAL (-)			31.79			16.90			14.01									
	GRAND TOTAL	1986.52	2137.33	1978.70	2128.59	1986.52	1956.56	2074.98	2128.59	1959.65									
	LAST YEAR	2021.53	1969.21	1993.13	2024.55	2021.53	2023.96	1923.96	2024.55	1994.20									

3. SYSTEM PARAMETERS AS ON 17-Dec-17

MAXIMUM DRAWL ON 17-Dec-17	10412 MW at 08.15-08.30 Hrs 49.82 Hz
MINIMUM DRAWL ON 17-Dec-17	6269 MW at 04.00-4.15Hrs 50.04 Hz
Max U/D of the day	589 MW at 04.00-04.15HRS 50.04 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	4
NO. OF VIOLATION (OD BLOCKS) IN WHICH FREQ. >= 49.7 & <49.9 Hz	3
No. of Blocks in which Freq. >= 49.9 & <50.00 Hz	21
NO. OF BLOCKS(OD ABOVE 250 MW) IN WHICH FREQ. >= 49.9 & <50.00 Hz	5
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	47
NO. OF BLOCKS(OD ABOVE 250 MW) IN WHICH FREQ. >= 50.00 & <50.05 Hz	10
NO. OF BLOCKS(UD ABOVE 250 MW) IN WHICH FREQ. >= 50.00 & <50.05 Hz	5
No. of Blocks in which Freq. >= 50.05 & <50.10 Hz	23
NO. OF UD BLOCKS IN WHICH FREQ. >= 50.05 & <50.10 Hz	13
No. of Blocks in which Freq. >= 50.10	1
NO. OF VIOLATION(UD BLOCKS) IN WHICH FREQ. >= 50.10	1
AVERAGE FREQ. FOR THE DAY 17-Dec-17	50.01 Hz
Max O/D of the day	451 MW at 20.00-20.15 HRS 50.08 Hz
Frequency Profile	% of Time
LESS THAN 49.7 HZ	0.00
LESS THAN 49.90 HZ	6.39
OPERATING RANGE (49.90 HZ TO 50.05 HZ)	68.02
ABOVE 50.05 HZ	25.59
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

4. WATER LEVEL OF MAJOR RESERVOIR

Name of reservoir	Capacity level		Actual Level as on		Discharge (cusecs)	Inflow (cusecs)
	Max.	Min.	18-Dec-17	18-Dec-16		
Gandhi Sagar (Fl.)	1312	1250	1293.92	1308.54	8367	508
R.P.Sagar (Fl.)	1157.5	1128	1136.37	1143.36	1147	9898
Jawahar Sagar (Fl.)	980	970.4	974.20	978.30	8274	6211
Kota Barrage(Fl.)	854.5	852.3	854.50	854.40		
RMC					6225	
LMC					1100	
Bhakra(Fl.)	1690	1462	1645.97	1612.85	15920	6805
Dehar (Fl.)	2941	2900	2920.80	2918.17	1835	2036
Pong(Fl.)	1421	1260	1352.47	1345.05	13801	2744
Mahi-I (Mts.)	281.5	259	278.95	279.50	2340	NIL
Mahi-II (Mts.)	220.5	217	218.05	218.00	448	NIL

5. POSITION OF COAL STOCK (In MT)

Date	Name of Station	Stock at 00.00 hrs. (MT)	Coal stock sufficient for No. of days
18-Dec-17	KTPS	99717	5 DAYS
	STPS	64125	2.5 DAYS
	CHHABRA	87347	11.5 DAYS
	KALISINDH	108402	8 DAYS

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

18-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	HRSG#2*	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	GT#2*	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	5*	250.00	229	11.00	0	07-Dec-17	22.16	17-Dec-17	4.31	BOXED UP
STPS	2*	250.00	229	55.00	229	08-Dec-17	14.36			BOXED UP
Total(A) STATE SECTOR- PLANNED OUTAGE			790.00	678.00	118.80	449.00				
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
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	23.09			RESERVE SHUTDOWN
AURAIYA GFS	3	111.00	18	4.40	18	25-Oct-17	23.12			RESERVE SHUTDOWN
AURAIYA GFS	2	111.19	18	4.40	18	10-Nov-17	20.59			LESS DEMAND
AURAIYA GFS	5	109.30	12	2.90	12	10-Nov-17	21.10			LESS DEMAND
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	21.50			LESS DEMAND
SINGRAULI	3	200.00	34	8.20	34	21-Nov-17	5.59			ANNUAL MAINTENANCE
ANTA GFS	31	88.71	31	7.50	31	15-Dec-17	12.30			LESS DEMAND
DADRI GFS	1	130.19	22	5.30	22	15-Dec-17	19.45			LESS DEMAND
Total(B) CENTRAL SECTOR- PLANNED OUTAGE			1584.48	286.00	69.30	286.00				

(B) FORCE OUTAGE

STATE SECTOR

STATE SECTOR											
NAME OF STATION	UNIT OUT	INSTALLED CAPACITY	NET ALLOC/AVAIL. (MW)			DATE	TIME	REASON OF OUTAGE			
GIRAL	2	125.00	70	16.80	70	27-Jan-16	15.27	20-Dec-17		DESYNCHRONIZED DUE TO ATTEND TUBE LEAKAGE IN ASH COOLAR-4	
ADANI	1	660.00	600	144.00	600	23-Sep-17	5.45	20-Dec-17		INSUFFICIENT COAL STOCK	
RAMGARH	GT#2	37.50	29	7.00	29	28-Oct-17	4.50	18-Dec-17		DESYNCHRONIZED DUE TO GAS RESTRICTION BY GAIL INDIA AND UNDER SD FOR REVOLVOR CLEANING BY GAIL	
KTPS	5	210.00	192	0.00	0	04-Dec-17	20.04	17-Dec-17	6.02	APH-SB	
DCCPP	HRSG#1	55.00	50	12.00	50	11-Dec-17	21.12	18-Dec-17		SYSTEM LINE VOLTAGE INCREASED	
DCCPP	GT#1	110.00	100	24.00	100	12-Dec-17	23.34	18-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	18-Dec-17		HEAVY BED MATERIAL LEAKAGE	
BARSINGAR	2	125.00	110	26.40	110	15-Dec-17	13.04			Refractory failure	
KALISINDH	2	600.00	565	135.60	565	16-Dec-17	12.08			BTL	
STPS	5	250.00	229	0.00	0	17-Dec-17	14.26	17-Dec-17	17.22		
Total(B) STATE SECTOR-FORCED OUTAGE			2557.50	2274.50	448.47	1853.50					
CENTRAL SECTOR											
UNCHABAR	6	500.00	NA	NA	NA	01-Nov-17	15.40			FURNISH PRESSURE HIGH	
DADRI GFS	1	130.19	22	5.30	22	14-Dec-17	8.20			LOWER CHEAP GAS AVAILABILITY	
Total(B) CENTRAL SECTOR- FORCED OUTAGE			630.19	22.00	5.30	22.00					
G.TOTAL			453.77	1875.50							

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 (\$).