



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

Power Position 08-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			
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									
9-Dec-17											
10-Dec-17											
11-Dec-17											
12-Dec-17											
13-Dec-17											
14-Dec-17											
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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	2124.01	2039.39	2014.88	1978.15	33.44	44.93	11008.00	10113.00	49.99	244.96	
MIN OF THE MONTH	1909.86	1839.91	1820.63	1852.49	0.65	-3.47	9836.00	9092.00	49.97	41.87	
AVERAGE	2032.39	1941.49	1939.71	1913.43	19.07	17.42	10382.43	9416.14	49.98	114.41	
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	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
		7-Dec-17		
1	KTPS (1240/1240)	222.00	227.00	196.42
2	STPS (1500/1500)	110.00	162.00	133.55
3	DHOLPUR GAS CAPP (330/330)	0.00	0.00	25.40
4	RAMGARH (273.5/273.5)	47.00	46.00	41.91
5	RAPP-A(200/200)	42.00	42.00	43.58
6	MAHI (140/140)	0.00	0.00	6.43
7	CHAMBAL (RPS+JS) (135.5/271)	38.62	38.62	33.51
8	GIRAL LIGNITE (250/250)	0.00	0.00	0.00
9	CHHABRA TPS 1000/1000)	221.00	221.00	201.65
10	ADANI (TPS) + KALISINDH (TPS) (1200+1200/1320+1200)	209.00	131.50	140.36
11	WIND FARM (3980.40/4119.15)	66.00	60.50	109.00
12	SOLAR POWER(737.70/1295.70)	0.00	0.00	0.62
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	-31.82	-25.40	-25.40
16	BIOMASS – (101.95/119.25)	4.00	5.00	4.33
17	BARSINGHAR LTPS(250/250)	26.00	53.00	50.34
18	RAJWEST (1080/1080)	220.00	201.00	168.05
	<b>TOTAL (A) : 1-18</b>	<b>1173.80</b>	<b>1162.22</b>	<b>1129.75</b>
19	BBMB COMPLEX			
a)	BHAKRA(230.79/1516.3)	26.54	26.74	26.70
b)	DEHAR (198/ 990)	7.08	7.24	7.40
c)	PONG (231.66/396)	32.91	32.91	32.91
	<b>TOTAL : a TO c</b>	<b>66.53</b>	<b>66.89</b>	<b>67.01</b>
20	CENTRAL STATIONS			
d)	SINGRAULI (300/ 2000)	82.49	59.55	61.23
e)	RIHAND (310.24/3000)	129.32	130.53	130.53
f)	UNCHAHAHAR-I(20/420)	5.87	9.07	4.45
g)	UNCHAHAHAR-II& III(61/630)	15.68	18.94	10.12
h)	INDIRA GANDHI STPS(JHAJHAR) 0.00/1500)	0.00	0.00	0.00
i)	NCTPS DADRI St-II ( 43.22/980) + DADRI-TH	17.27	17.36	8.76
j)	DADRI GAS (77/830)	7.86	7.85	6.52
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)	9.84	9.89	9.89
n)	RAPP-B (125/440)	34.44	34.44	34.44
o)	RAPP-C (88/440)	19.62	19.62	19.62
p)	SALAL (20.36/690)	0.84	0.82	0.72
q)	URI (70.37/720)	2.97	2.99	3.04
r)	TANAKPUR (10.86/94)	0.80	0.80	0.81
s)	CHAMERA –I (105.84/540)	2.94	2.94	2.94
t)	CHAMERA-II (29.01/300)	1.11	1.04	1.21
u)	CHAMERA-III (25.21/231)	0.76	0.76	0.76
v)	DHAULIGANGA (27/280)	1.14	1.15	1.15
w)	DULHASTI (42.42/390)	3.05	3.16	3.16
x)	SEWA (13/120)	0.26	0.26	0.26
y)	NJPC (112.00/1500)+RAMPUR(31.808/412.02)	7.22	7.03	7.41
z)	TEHRI (75/1000)	4.87	4.87	4.87
aa)	KOTESHWAR (33.44/400) + PARBATI3 (56.73/520)	2.55	5.01	5.14
ab)	TALA	0.56	0.56	0.56
ac)	MUNDRA UMPP (380/4000)	58.74	58.48	56.93
ad)	SASAN (372/3960)	83.70	84.53	84.53
ae)	FRKKA+KHLGN+TLCHR (70.18/3940)	23.48	22.23	21.08
af)	URS POWER(DADRI TH-I)	0.00	0.00	0.00
	TOTAL SCHEDULED(a TO af)	583.92	570.74	547.12
	LOSSES	-34.25	-35.51	-34.27
	NET SCHEDULED	<b>549.67</b>	<b>535.23</b>	<b>512.85</b>
21	BILATERAL (REG.) EXCL. BANKING	4.65	4.42	4.42
22	BANKING	18.50	18.50	18.50
23	BILATERAL(INTER-REG.). EXCLUDING (ISOA & BANKING)	225.14	122.03	139.45
24	INTER STATE OPEN ACCESS (BILATERAL+IEX)	31.82	25.40	25.40
25	INDIAN ENERGY EXCHANGE	22.49	24.64	24.64
	<b>TOTAL(B): (19 TO 25)</b>	<b>852.27</b>	<b>747.64</b>	<b>725.26</b>
	TOTAL GENERATION (A +B) : 1 TO 25			<b>1855.01</b>
	OVER DRAWAL (+)/UNDER DRAWAL (-)			20.02
	<b>GRAND TOTAL</b>	<b>2026.07</b>	<b>1909.86</b>	<b>1875.03</b>
	LAST YEAR	2039.39	2003.20	1978.15

## 3. SYSTEM PARAMETERS AS ON 07-Dec-17

MAXIMUM DRAWL ON 07-Dec-17	9836 MW at 07.45-08.00 Hrs 50.01 Hz
MINIMUM DRAWL ON 07-Dec-17	5931 MW at 04.00-4.15Hrs 49.98 Hz
Max U/D of the day	370 MW at 22.00 HRS 50.11 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	1
No. of Blocks in which Freq. >= 49.9 & <50.00 Hz	48
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	1
No. of Blocks in which Freq. >= 50.00 & <50.05 Hz	40
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	1
No. of Blocks in which Freq. >= 50.05 & <50.10 Hz	5
NO. OF UD BLOCKS IN WHICH FREQ. >= 50.05 & <50.10 Hz	3
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 7-Dec-17	49.99 Hz
Max O/D of the day	475 MW at 23.30 HRS 50.01Hz
Frequency Profile	% of Time
LESS THAN 49.7 HZ	0.00
LESS THAN 49.90 HZ	10.21
OPERATING RANGE (49.90 HZ TO 50.05 HZ)	75.50
ABOVE 50.05 HZ	14.29
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.	8-Dec-17	8-Dec-16	7-Dec-17	7-Dec-17
Gandhi Sagar (Ft.)	1312	1250	1295.55	1309.73	7777	84
R.P.Sagar (Ft.)	1157.5	1128	1136.70	1143.94	6898	6898
Jawahar Sagar (Ft.)	980	970.4	977.30	975.50	5430	5430
Kota Barrage(Ft.)	854.5	852.3	NA	854.40		
RMC					6225	
LMC					1500	
Bhakra(Ft.)	1690	1462	1651.29	1619.29	16434	5889
Dehar (Ft.)	2941	2900	2923.88	2917.78	1872	2191
Pong(Ft.)	1421	1260	1326.65	1348.69	12503	2648
Mahi-I (Mts.)	281.5	259	279.70	280.00	3216	NIL
Mahi-II (Mts.)	220.5	217	217.95	217.40	246	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
8/Dec/17	KTPS	63636	3 DAYS
	STPS	45217	2 DAYS
	CHHABRA	23868	3 DAYS
	KALISINDH	121174	8.5 DAYS

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

8/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	3*	250.00	229	55.00	229	2-Dec-17	19.11			BOXED UP
STPS	4*	250.00	229	55.00	229	3-Dec-17	14.51			FURNACE PRESSURE VERY HIGH BOXED UP BY RUVNL.M.NO. 9134 DT 03.12.17 W.E.F. 15.25 HRS
STPS	1*	250.00	229	55.00	229	5-Dec-17	13.52			BOXED UP
STPS	5*	250.00	229	55.00	229	7-Dec-17	22.16			BOXED UP
Total A STATE SECTOR- PLANNED OUTAGE		1290.00	1136.00	272.80	1136.00					

## 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	2	111.19	18	4.40	18	10-Nov-17	20.59			LESS DEMAND
DADRI GPS	2	130.19	22	5.30	22	10-Nov-17	21.09			LESS DEMAND
AURAIYA GPS	5	109.30	12	2.90	12	10-Nov-17	21.10			LESS DEMAND
AURAIYA GPS	1	111.19	18	4.40	18	10-Nov-17	21.13			LESS DEMAND
ANTA GPS	3	88.71	31	7.50	31	10-Nov-17	21.21			LESS DEMAND
ANTA GPS	2	88.71	31	7.50	31	10-Nov-17	21.50			LESS DEMAND
ANTA GPS	4	153.20	34	8.20	34	10-Nov-17	21.51			LESS DEMAND
ANTA GPS	1	88.71	31	7.50	31	10-Nov-17	22.19			LESS DEMAND
Total A CENTRAL SECTOR- PLANNED OUTAGE		1626.39	317.00	76.80	317.00					

## (B) FORCE OUTAGE

## STATE SECTOR

STATE SECTOR										
GIRAL	2	125.00	70	16.80	70	27-Jan-16	15.27	15-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	9-Dec-17		INSUFFICIENT COAL STOCK
RAMGARH	GT#2	37.50	29	7.00	29	28-Oct-17	4.50	9-Dec-17		DESYNCHRONIZED DUE TO GAS RESTRICTION BY GAIL INDIA AND UNDER SD FOR REVOILOR CLEANING BY GAIL
RAJWEST	7	135.00	120	6.39	0	22-Nov-17	19.16	8-Dec-17	5.21	GENERATOR ELECTRICAL PROTECTION FAILURE
KALISINDH	1	600.00	136	21.02	0	29-Nov-17	11.53	8-Dec-17	3.43	BOILER TUBE LEAKAGE
KALISINDH	2	600.00	475	0.00	0	4-Dec-17	10.01	7-Dec-17	13.38	BOILER TUBE LEAKAGE
KTPS	5	210.00	192	46.00	192	4-Dec-17	20.04			APH-SB
KALISINDH	2	600.00	475	0.00	0	7-Dec-17	17.32	7-Dec-17	19.53	GENERATOR TURBINE TRIP
KALISINDH	2	600.00	475	135.00	475	7-Dec-17	23.09			BOILER TUBE LEAKAGE
RAMGARH	GT#3	110.00	100	24.00	100	8-Dec-17	6.43			
RAMGARH	SGT#2	50.00	40	9.60	40	8-Dec-17	6.43			
BARSINGAR	1	125.00	110	26.40	110	8-Dec-17	0.00			REFRACTORY PROBLEM
Total B STATE SECTOR-FORCED OUTAGE		3852.50	2821.60	436.81	1616.00					

## CENTRAL SECTOR

UNCHAHAR	6	500.00	NA	NA	NA	1-Nov-17	15.40			FURNISH PRESSURE HIGH
SINGRAULI	3	200.00	34	8.20	34	21-Nov-17	5.59			ANNUAL OVERHAULING WORK
SINGRAULI	6	500.00	85	0.00	0	6-Dec-17	6.32	7-Dec-17	19.47	BOILER TUBE LEAKAGE
Total B CENTRAL SECTOR- FORCED OUTAGE		1200.00	119.00	8.20	34.00					
G.TOTAL				445.01	1650.00					

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 (\$).