



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

<b>Power Position 04-Jan-18</b>	<b>Point No.</b>
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1. Date-Wise Energy Availability, Consumption,OD(+)/UD(-), Peak Load, Avg. Frequency,Wind Gen. –JAN- 2018

Date	Anticipated Availability (In LU)		Consumption (In LU)		OD(+)/UD(-) (In LU)		Peak Load (In MW)		Average freq. (In Hz)	WIND (in LU)
	2018	2017	2018	2017	2018	2017	2018	2017		
Jan.18	<b>2018</b>	<b>2017</b>	<b>2018</b>	<b>2017</b>	<b>2018</b>	<b>2017</b>	<b>2018</b>	<b>2017</b>	<b>2018</b>	<b>2018</b>
01.Jan.18	2181.15	2071.32	2034.76	1948.21	24.27	19.58	10247	9137	49.99	38.48
02.Jan.18	2157.73	2066.95	2043.75	1952.14	33.30	13.89	10318	9557	49.97	21.68
03.Jan.18	2066.22	1855.03	2043.96	1882.58	34.42	41.74	10454	9288	49.95	37.37
04.Jan.18	2166.85	1875.30								
05.Jan.18										
06.Jan.18										
07.Jan.18										
08.Jan.18										
09.Jan.18										
10.Jan.18										
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26.Jan.18										
27.Jan.18										
28.Jan.18										
29.Jan.18										
30.Jan.18										
31.Jan.18										
MAXIMUM OF THE MONTH	2181.15	2071.32	2043.96	1952.14	34.42	41.74	10454.00	9557.00	49.99	38.48
MIN OF THE MONTH	2066.22	1855.03	2034.76	1882.58	24.27	13.89	10247.00	9137.00	49.95	21.68
AVERAGE	2117.99	1977.12	2040.82	1927.64	30.66	25.07	10339.67	9327.33	49.97	32.51
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
		3-Jan-18		
1	KTPS (1240/1240)	244.00	202.00	196.42
2	STPS (1500/1500)	165.00	165.00	156.52
3	DHOLPUR GAS CCGP (330/330)	0.00	0.00	0.00
4	RAMGARH (273.5/273.5)	11.00	11.00	10.85
5	RAPP-A(200/200)	43.00	43.00	43.83
6	MAHI (140/140)	0.00	0.00	7.18
7	CHAMBAL (RPS+JS) (135.5/271)	38.62	38.62	37.36
8	GIRAL LIGNITE (250/250)	0.00	0.00	0.00
9	CHHABRA TPS 1000/1000)	164.00	164.00	160.83
10	ADANI (TPS) + KALISINDH (TPS) (1200+1200/1320+1200)	505.00	421.00	402.54
11	WIND FARM (3980.40/4119.15)	41.00	47.00	37.37
12	SOLAR POWER(737.70/1295.70)	0.00	0.00	3.06
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	-3.38	-4.95	-4.95
16	BIOMASS – (101.95/119.25)	3.00	5.00	3.07
17	BARSINGHSAR LTPS(250/250)	54.00	54.00	53.07
18	RAJWEST (1080/1080)	201.00	201.00	193.76
	<b>TOTAL (A) : 1-18</b>	<b>1466.24</b>	<b>1346.67</b>	<b>1300.91</b>
19	BBMB COMPLEX			
	a) BHAKRA(230.79/1516.3)	30.10	30.09	29.93
	b) DEHAR (198/ 990)	5.88	5.25	5.49
	c) PONG (231.66/396)	37.02	35.21	37.78
	<b>TOTAL : a TO c</b>	<b>73.00</b>	<b>70.56</b>	<b>73.20</b>
20	CENTRAL STATIONS			
	d) SINGRAULI (300/ 2000)	89.80	92.53	93.51
	e) RIHAND (310.24/3000)	128.41	130.49	130.34
	f) UNCHAHAR-I(20/420)	5.98	16.50	8.42
	g) UNCHAHAR-II& III(61/630)	23.76	35.05	27.12
	h) INDIRA GANDHI STPS(JHAJHAR) 0.00/1500)	0.00	0.00	0.00
	i) NCTPS DADRI St-II ( 43.22/980) + DADRI-TH	17.53	17.21	18.47
	j) DADRI GAS (77/830)	0.58	5.49	5.35
	k) ANTA (83.07/419)	1.54	0.00	0.00
	l) AURAIYA (61.03/663)	0.00	0.00	0.00
	m) NAPP (44/440)	9.89	9.89	9.89
	n) RAPP-B (125/440)	16.75	16.75	16.75
	o) RAPP-C (88/440)	20.10	20.10	20.10
	p) SALAL (20.36/690)	0.71	0.73	0.68
	q) URI (70.37/720)	3.32	3.39	3.14
	r) TANAKPUR (10.86/94)	0.35	0.39	0.39
	s) CHAMERA –I (105.84/540)	3.14	3.14	3.14
	t) CHAMERA-II (29.01/300)	1.02	1.02	0.95
	u) CHAMERA-III (25.21/231)	0.71	0.71	0.71
	v) DHAULIGANGA (27/280)	0.89	0.88	0.88
	w) DULHASTI (42.42/390)	2.90	2.50	2.72
	x) SEWA (13/120)	0.43	0.43	0.43
	y) NJPC (112.00/1500)+RAMPUR(31.808/412.02)	6.93	6.93	6.93
	z) TEHRI (75/1000)	7.01	7.01	7.01
	aa) KOTESHWAR (33.44/400 ) + PARBATI3 (56.73/520)	2.55	2.55	5.74
	ab) TALA	0.22	0.34	0.34
	ac) MUNDRA UMPP (380/4000)	67.43	65.29	65.29
	ad) SASAN (372/3960)	88.56	88.68	88.68
	ae) FRKKA+KHLGN+TLCHR (70.18/3940)	26.07	26.65	26.54
	af) URS POWER(DADRI TH-I)	0.00	0.00	0.00
	TOTAL SCHEDULE (a TO af)	599.58	625.20	616.72
	LOSSES	-38.10	-39.80	-42.24
	<b>NET SCHEDULED</b>	<b>561.48</b>	<b>585.40</b>	<b>574.47</b>
21	BILATERAL (REG.) EXCL. BANKING	3.46	3.69	3.69
22	BANKING	15.74	15.74	15.74
23	BILATERAL(INTER-REG.). EXCLUDING (ISOA & BANKING)	113.16	113.81	113.16
24	INTER STATE OPEN ACCESS (BILATERAL+IEX)	3.38	4.95	4.95
25	INDIAN ENERGY EXCHANGE	3.40	-3.38	-3.38
	<b>TOTAL(B): (19 TO 25)</b>	<b>700.61</b>	<b>719.55</b>	<b>708.63</b>
	TOTAL GENERATION (A +B) : 1 TO 25			<b>2009.54</b>
	OVER DRAWAL (+)/UNDER DRAWAL (-)			34.42
	<b>GRAND TOTAL</b>	<b>2166.85</b>	<b>2066.22</b>	<b>2043.96</b>
	LAST YEAR	1875.30	1855.03	1882.58

## 3. SYSTEM PARAMETERS AS ON 03-Jan-18

MAXIMUM DRAWL ON 03-Jan-18	10454 MW at 08.00-08.15Hrs 50.02 Hz
MINIMUM DRAWL ON 03-Jan-18	6390 MW at 04.00-04.15Hrs 49.97 Hz
Max U/D of the day	506 MW at 21.45-22.00 HRS 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	11
NO. OF VIOLATION (OD BLOCKS) IN WHICH FREQ. >= 49.7 & <49.9 Hz	10
No. of Blocks in which Freq. >= 49.9 & <50.00 Hz	62
NO. OF BLOCKS(OD ABOVE 250 MW) IN WHICH FREQ. >= 49.9 & <50.00 Hz	22
NO. OF BLOCKS(UD ABOVE 250 MW) IN WHICH FREQ. >= 49.9 & <50.00 Hz	2
No. of Blocks in which Freq. >= 50.00 & <50.05 Hz	22
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	2
No. of Blocks in which Freq. >= 50.05 & <50.10 Hz	1
NO. OF UD BLOCKS IN WHICH FREQ. >= 50.05 & <50.10 Hz	1
No. of Blocks in which Freq. >= 50.10	0
NO. OF VIOLATION( UD BLOCKS)IN WHICH FREQ. >= 50.10	0
AVERAGE FREQ. FOR THE DAY 3-Jan-18	49.95 Hz
Max O/D of the day	610 MW at 08.15-08.30 HRS 49.94Hz
Frequency Profile	% of Time
LESS THAN 49.7 HZ	0.00
LESS THAN 49.90 HZ	18.62
OPERATING RANGE (49.90 HZ TO 50.05 HZ)	76.08
ABOVE 50.05 HZ	5.30
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	98
No. of 132 KV Feeders Disconnected	0

## 4. WATER LEVEL OF MAJOR RESERVOIR

Name of reservoir	Capacity level		Actual Level as on		Discharge (cusses)	Inflow (cusses)
	Max.	Min.	4-Jan-18	4-Jan-17	3-Jan-18	3-Jan-18
Gandhi Sagar (Fl.)	1312	1250	1290.70	1307.39	8715	NA
R.P.Sagar (Fl.)	1157.5	1128	1137.16	1139.79	3402	10491
Jawahar Sagar (Fl.)	980	970.4	975.30	980.00	8267	12014
Kota Barrage(Fl.)	854.5	852.3	854.50	854.30		
RMC					6225	
					1500	
Bhakra(Fl.)	1690	1462	1634.88	1599.00	18943	6048
Dehar (Fl.)	2941	2900	2923.68	2917.45	1448	1723
Pong(Fl.)	1421	1260	1344.30	1337.46	14013	2636
Mahi-I (Mts.)	281.5	259	277.95	278.45	3225	NIL
Mahi-II (Mts.)	220.5	217	217.35	217.15	0	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
4. Jan. 18	KTPS	82668	4 days
	STPS	62529	2.5 days
	CHHABRA	159751	21 days
	KALISINDH	53007	4 days
	AVERAGE FREQ. FOR THE DAY 3-Jan-18	49.95 Hz	
Max O/D of the day	610 MW at 08.15-08.30 HRS 49.94Hz		
Frequency Profile	% of Time		
LESS THAN 49.7 HZ	0.00		
LESS THAN 49.90 HZ	18.62		
OPERATING RANGE (49.90 HZ TO 50.05 HZ)	76.08		
ABOVE 50.05 HZ	5.30		
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	98		
No. of 132 KV Feeders Disconnected	0		

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

4. Jan. 18

## (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.Jan.14	8.20			BED MATERIAL LEAKAGE (S/D W.E.F.15.07.14)
DCCPP	HRSG/2*	55.00	50	12.00	50	13.Jan.16	16.35			BOXED UP(PERMISSION GIVEN BY RUVNL ON DATE 17.08.17 BUT PROBLEM IN DCCPP END)
DCCPP	GTW2*	110.00	100	24.00	100	13.Jan.16	16.40			BOXED UP(PERMISSION GIVEN BY RUVNL 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	3*	250.00	229	55.00	229	24.Dec.17	20.03			BOXED UP
DCCPP	HRSG/1	55.00	50	12.00	50	11.Dec.17	21.12			SYSTEM LINE VOLTAGE INCREASED(permission not granted by ruval end id msg no OP/12/730 dt 27.12.17 and op/12/790 dt 30.12.17)
DCCPP	GTW1	110.00	100	24.00	100	12.Dec.17	23.34			AIR INLET DIFFERENTIAL PRESSURE HIGH(permission not granted by ruval end id msg no OP/12/730 dt 27.12.17 and op/12/790 dt 30.12.17)
Total A ISTATE SECTOR- PLANNED OUTAGE		955.00	828.00	198.80	828.00					
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 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
Total A-B CENTRAL SECTOR- PLANNED OUTAGE		1473.99	298.80	72.37	298.80					
(B) FORCE OUTAGE										
STATE SECTOR										
STATE SECTOR										
GIRAL	2	125.00	70	16.80	70	27.Jan.16	15.27			DESYNCHRONIZED DUE TO ATTEND TUBE LEAKAGE IN ASH COOLAR-1
CHHABRA	3	250.00	210	54.00	210	13.Dec.17	12.27	10.Jan.18		ELECTICAL PROTECTION(S/D HR 10.01.2018)
RAMGARH	STG/2	50.00	40	9.60	40	23.Dec.17	0.01	12.Jan.18		SD FOR HGPI & 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 HGPI & GENERATOR OVERHAULING WORK WILL BE CARRIED OUT OF GT3 (21 DAYS)
RAMGARH	GTW2	37.50	29	7.00	29	31.Dec.17	20.18			shutdown of FOCUS energy limited
STPS	1	250.00	229	55.00	229	01.Jan.18	6.39			GT PROTECTION BUCHILOZ ALARM.
ADANI	2	660.00	600	4.50	0	01.Jan.18	13.08	04.Jan.18	0.45	LIES HOT SEC. AIR EXPANSION BELLOW DAMAGED
KTPS	2	110.00	100	23.00	100	01.Jan.18	23.51			DESYNCHRONIZED TO ATTEND BOILER TUBE LEAKAGE
KTPS	4	210.00	192	0.00	0	02.Jan.18	7.22	04.Jan.18	0.02	DRUM LEVEL LOW
RAJWEST	3	135.00	120	28.67	120	02.Jan.18	23.29			USEAL REFRACTORY DAMAGED
Total B ISTATE SECTOR-FORCED OUTAGE		1937.50	1689.50	222.57	898.00					
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
DADRI GFS	1	130.19	22	5.30	22	03.Jan.18	4.07			UNIT KEPT OUT DUE TO LOW GAS
Total B II CENTRAL SECTOR- FORCED OUTAGE		783.39	56.00	13.50	56.00					
G.TOTAL				236.07	954.00					

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 (\$).