



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

Power Position 05-Sep-19	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. –SEPT- 2019

Date	Anticipated Availability (In LU)		Consumption (In LU)		OD(+)/UD(-) (In LU)		Peak Load (In MW)		Average freq. (In Hz)	WIND (in LU)
	2019	2018	2019	2018	2019	2018	2019	2018	2019	2019
01-Sep-19	2468.54	2560.36	2039.21	2230.91	-32.76	0.61	9161	9993	50.02	34.77
02-Sep-19	2399.48	2515.11	2031.70	2109.10	-5.28	18.13	9406	9576	50.01	30.24
03-Sep-19	2437.54	2383.22	2141.70	2078.21	-25.62	19.04	9752	9840	50.00	28.95
04-Sep-19	2391.03	2434.51	2254.73	2042.31	-20.07	4.72	10161	9677	50.00	67.57
05-Sep-19	2488.11	2388.98								
06-Sep-19										
07-Sep-19										
08-Sep-19										
09-Sep-19										
10-Sep-19										
11-Sep-19										
12-Sep-19										
13-Sep-19										
14-Sep-19										
15-Sep-19										
16-Sep-19										
17-Sep-19										
18-Sep-19										
19-Sep-19										
20-Sep-19										
21-Sep-19										
22-Sep-19										
23-Sep-19										
24-Sep-19										
25-Sep-19										
26-Sep-19										
27-Sep-19										
28-Sep-19										
29-Sep-19										
30-Sep-19										
01-Oct-19										
MAXIMUM OF THE MONTH	2488.11	2560.36	2254.73	2230.91	-5.28	19.04	10161.00	9993.00	50.02	67.57
MIN OF THE MONTH	2391.03	2383.22	2031.70	2042.31	-32.76	0.61	9161.00	9576.00	50.00	28.95
AVERAGE	2436.94	2456.44	2116.84	2115.13	-20.93	10.63	9620.00	9771.50	50.01	40.38
MAX.CONSUMPTION TILL DATE DURING THE FY 2019-20 (L.U.)							2797.55	11-Jun-19		
MAX.PEAK LOAD TILL DATE DURING THE FY 2019-20 (MW)							12620	(23.15-23.30 Hrs.)	07-Jun-19	
MAX.CONSUMPTION DURING THE FY 2018-19 (L.U.)							2549.75	05-Jun-18		
MAX.PEAK LOAD DURING THE FY 2018-19 (MW)							13276	(09.30-09.45Hrs.)	28-Dec-18	
MAX.WIND TILL DATE DURING THE YEAR 2019-20 (L.U.)							742.55	14-Jul-19		
MAX.WIND DURING THE YEAR 2018-19 (L.U.)							565.54	13-Jun-18		

2. Anticipated Availability/Generation From Different Sources

(In LU)

S.No.	Sources Available to Rajasthan / Installed Capacity as on 31.08.2018 (In MW)	Prior assessment of Avail. For next Day	Prior assessment of Avail.	Actual Energy Received
		4-Sep-19		
1	KTPS (1240/1240)	220.00	215.00	175.15
2	STPS (1500/1500)	108.00	108.00	88.51
3	DHOLPUR GAS CCPP (330/330)	0.00	0.00	0.00
4	RAMGARH (273.5/273.5)	19.00	11.00	9.32
5	RAPP-A(200/200)	36.00	36.00	39.75
6	MAHI (140/140)	0.00	0.00	15.79
7	CHAMBAL (RPS+JS) (135.5/271)	0.00	0.00	52.80
8	SSCTPS#7	0.00	0.00	0.00
9	CHHABRA TPS (1000/1000)+CSCTPP (660/660)	408.00	396.00	384.12
10	ADANI (TPS) + KALISINDH (TPS) (1200+1200/1320+1200)	419.00	419.00	327.06
11	WIND FARM (4139.20/4292.95)	46.50	53.50	67.57
12	SOLAR POWER(1661.70/2250.16)	134.26	115.58	158.78
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	0.00	0.00	0.00
16	BIOMASS – (101.95/119.25)	6.00	3.00	5.55
17	BARSINGHSAR LTPS(250/250)	51.00	51.00	52.77
18	RAJWEST (1080/1080)	196.00	172.00	140.18
	TOTAL (A) : 1-18	1643.76	1580.08	1517.35
19	BBMB COMPLEX			
a)	BHAKRA(230.79/1516.3)	49.89	51.05	50.95
b)	DEHAR (198/ 990)	26.26	26.27	26.46
c)	PONG (231.66/396)	33.75	33.75	33.75
	TOTAL : a TO c	109.90	111.07	111.16
20	CENTRAL STATIONS			
d)	SINGRAULI (300/ 2000)+SINGRAULI SHEP (1.87/8.00)	82.54	74.55	74.71
e)	RIHAND (310.24/3000)	103.98	103.10	103.60
f)	UNCHAHAHAR-I(20/420)	3.48	3.48	0.51
g)	UNCHAHAHAR-II& III & IV(135.09/1130)	31.62	30.16	6.33
h)	INDIRA GANDHI STPS(JHAJHAR) 0.00/1500)	0.00	0.00	0.00
i)	NCTPS DADRI St-II (43.22/980) + DADRI-TH	6.94	6.98	3.10
j)	DADRI GAS (77/830)	2.19	2.13	1.16
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)	8.72	8.74	8.74
n)	RAPP-B (125/440)	28.10	28.10	28.10
o)	RAPP-C (88/440)	19.00	19.00	19.00
p)	SALAL (20.36/690)	4.79	4.79	4.79
q)	URI (70.37/720)	16.00	16.32	15.76
r)	TANAKPUR (10.86/94)	2.43	2.43	2.40
s)	CHAMERA –I (105.84/540)	16.25	16.25	16.25
t)	CHAMERA-II (29.01/300)	2.21	2.21	1.75
u)	CHAMERA-III (25.21/231)	3.87	4.87	3.87
v)	DHAULIGANGA (27/280)	6.21	6.21	6.21
w)	DULHASTI (42.42/390)	8.14	8.14	8.14
x)	SEWA (13/120)	1.26	1.05	1.05
y)	NJPC (112.00/1500)+RAMPUR(31.808/412.02)	35.88	35.88	35.88
z)	TEHRI (75/1000)	8.39	7.34	7.35
aa)	KOTESHWAR (33.44/400) + PARBATI3 (56.73/520)+KOLDAM (85.73/800)	29.58	29.19	28.98
ab)	TALA	3.24	3.30	3.15
ac)	MUNDRA UMPP (380/4000)	70.56	70.56	70.15
ad)	SASAN (372/3960)	84.97	84.97	84.97
ae)	FRKKA+KHLGN+TLCHR (70.18/3940)	28.89	29.04	23.74
af)	URS POWER(DADRI TH-I)	0.00	0.00	0.00
	TOTAL SCHEDULE(a TO af)	719.15	709.86	670.84
	LOSSES	0.00	0.00	0.00
	NET SCHEDULED	719.15	709.86	670.84
21	BILATERAL (REG.) EXCL. BANKING	30.40	30.40	27.26
22	BANKING	-7.05	-7.05	-7.05
23	BILATERAL(INTER-REG.). EXCLUDING (ISOA & BANKING)	120.22	122.37	113.91
24	INTER STATE OPEN ACCESS (BILATERAL+IEX)	0.00	0.00	-2.89
25	INDIAN ENERGY EXCHANGE	-18.36	-44.62	-44.62
	TOTAL(B): (19 TO 25)	844.36	810.96	757.44
	TOTAL GENERATION (A +B) : 1 TO 25			2274.80
	OVER DRAWAL (+)/UNDER DRAWAL (-)			-20.07
	GRAND TOTAL	2488.11	2391.03	2254.73
	LAST YEAR	2388.98	2434.51	2042.32

3. SYSTEM PARAMETERS AS ON 04-Sep-19

MAXIMUM DRAWL ON 04-Sep-19	10161 MW at 11.45-12.00 HRS 50.04 HZ
MINIMUM DRAWL ON 04-Sep-19	8213 MW at 18.00-18.15 Hrs 50.03 HZ
Max U/D of the day	1032 MW at 18.00-18.15 Hrs 50.03 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	2
No. of Blocks in which Freq. >= 49.9 & <50.00 Hz	31
NO. OF BLOCKS(OD ABOVE 250 MW) IN WHICH FREQ. >= 49.9 & <50.00 Hz	2
NO. OF BLOCKS(UD ABOVE 250 MW) IN WHICH FREQ. >= 49.9 & <50.00 Hz	7
No. of Blocks in which Freq. >= 50.00 & <50.05 Hz	55
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	16
No. of Blocks in which Freq. >= 50.05 & <50.10 Hz	8
NO. OF UD BLOCKS IN WHICH FREQ. >= 50.05 & <50.10 Hz	4
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 4-Sep-19	50.00 Hz
Max O/D of the day	509 MW at 12.15-12.30 Hrs 50.03 HZ
Frequency Profile	% of Time
LESS THAN 49.7 HZ	0.00
LESS THAN 49.90 HZ	3.10
OPERATING RANGE (49.90 HZ TO 50.05 HZ)	80.50
ABOVE 50.05 HZ	16.40
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.	5-Sep-19	5-Sep-18		
Gandhi Sagar (Ft.)	1312	1250	1310.74	1282.93	29970	3416
R.P.Sagar (Ft.)	1157.5	1128	1157.00	1146.75	9740	10519
Jawahar Sagar (Ft.)	980	970.4	976.00	972.60	12166	17974
Kota Barrage(Ft.)	854.5	852.3	852.10	851.20		
RMC					15	
LMC					NIL	
Bhakra(Ft.)	1690	1462	1673.24	1644.69	39930	34381
Dehar (Ft.)	2941	2900	2922.04	2923.88	171132	8394
Pong(Ft.)	1421	1260	1386.56	1374.00	23952	12137
Mahi-I (Mts.)	281.5	259	281.15	277.85	4495	3661
Mahi-II (Mts.)	220.5	217	219.05	217.40	876	1300

5. POSITION OF COAL STOCK (In MT)

Date	Name of Station	Stock at 00.00 hrs. (MT)	Coal stock sufficient for No. of days
5-Sep-19	KTPS	141585	7.5 DAYS
	STPS	108879	5 DAYS
	CHHABRA	140811	10.5 DAYS
	KALISINDH	89094	5.5 DAYS

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

5-Sep-19

(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										
GRAL	1	125.00	60	14.40	60	11-Jul-14	8.20			BED MATERIAL LEAKAGE (SD W.E.F.15.07.14)
DCCPP	HRSG#2	55.00	50	12.00	50	08-Oct-18	12.08			BOXED UP
DCCPP	HRSG#1	55.00	50	12.00	50	08-Oct-18	12.08			BOXED UP
DCCPP	GT#2	110.00	100	24.00	100	08-Oct-18	12.28			BOXED UP
DCCPP	GT#1	110.00	100	24.00	100	08-Oct-18	12.29			BOXED UP
KTPS	6	195.00	175	42.00	175	07-Jul-19	14.02			ANNUAL S/D UPTO 31.08.19
STPS	4	250.00	229	55.00	229	31-Aug-19	23.46			BOXED UP
STPS	6	250.00	229	55.00	229	01-Sep-19	18.00			BOXED UP
STPS	2	250.00	229	55.00	229	02-Sep-19	2.53			BOXED UP
Total(A) STATE SECTOR- PLANNED OUTAGE		1400.00	1222.00	293.40	1222.00					
CENTRAL SECTOR										
SINGRAULI STPS	5	200.00	34	8.20	34	06-Aug-19	22.24			MAJOR OVERHAULING WORK
AURAIYA GPS	4	111.19	18	4.40	18	15-Aug-19	10.31			RESERVE SHUTDOWN
AURAIYA GPS	6	109.30	12	2.90	12	18-Aug-19	20.26			RESERVE SHUTDOWN
AURAIYA GPS	3	111.19	18	4.40	18	18-Aug-19	20.30			RESERVE SHUTDOWN
DABRI GPS	5	154.51	16	3.90	16	22-Aug-19	0.58			RESERVE SHUTDOWN
AURAIYA GPS	5	109.30	12	2.90	12	22-Aug-19	5.37			RESERVE SHUTDOWN
AURAIYA GPS	2	111.19	18	4.40	18	29-Aug-19	22.49			RESERVE SHUTDOWN
AURAIYA GPS	1	111.19	18	4.40	18	29-Aug-19	22.56			RESERVE SHUTDOWN
DABRI GPS	2	130.19	22	5.30	22	29-Aug-19	22.58			RESERVE SHUTDOWN
DABRI GPS	1	130.19	22	5.30	22	29-Aug-19	22.58			RESERVE SHUTDOWN
ANTA GPS	1	88.71	31	7.50	31	29-Aug-19	22.34			RESERVE SHUTDOWN
ANTA GPS	4	153.20	34	8.20	34	29-Aug-19	22.56			RESERVE SHUTDOWN
ANTA GPS	3	88.71	31	7.50	31	29-Aug-19	22.58			RESERVE SHUTDOWN
Total(A) CENTRAL SECTOR- PLANNED OUTAGE		1608.87	286.00	69.30	286.00					

(B) FORCED OUTAGE

STATE SECTOR										
NAME OF STATION	UNIT OUT	INSTALLED CAPACITY	NET ALLOC/ AVAIL. (MW)			OUTAGE		EXPECT./REVIVAL		REASON OF OUTAGE
						DATE	TIME	DATE	TIME	
STATE SECTOR										
GRAL	2	125.00	70	16.80	70	27-Jan-16	15.27			DESYNCHRONIZED DUE TO ATTEND TUBE LEAKAGE IN ASH COOLAR-I
RAMGARH	GT3	110.00	100	24.00	100	07-Dec-18	20.45			INSUFFICIENT AVAILABILITY OF GAS
RAMGARH	STG#2	50.00	40	9.60	40	05-Oct-18	10.58			NON AVAILABILITY OF SUFFICIENT GAS
KALISINDH	2	600.00	565	135.60	565	21-Jul-19	14.08			generator stator earth fault in R-Phase (S/D FOR 21 DAYS)
RAJWEST	1	135.00	120	28.68	120	21-Aug-19	1.58			BED MATERIAL LEAKAGE
STPS	5	250.00	229	55.00	229	04-Jul-19	13.06			ANNUAL SHUTDOWN W.E.F. 11.07.19 FOR A PERIOD OF 20DAYS (IT WAS ALREADY UNDER BOXED UP CONDITION W.E.F. 13.06 HRS OF DT. 04.07.19) w.e.22.00 hrs.27.08.19 APH A PROBLEM
RAJWEST	8	135.00	120	0.87	0	30-Aug-19	4.00	05-Sep-19	0.44	BED MATERIAL LEAKAGE
RAMGARH	GT1	35.50	29	0.72	0	03-Sep-19	8.00	05-Sep-19	2.30	FOR REPLACEMENT OF AIR FILTER
RAMGARH	SGT1	37.50	10	0.00	0	04-Sep-19	4.44	04-Sep-19	8.52	DUE TO VOLTAGE JERK & SST-3 TRIPPED
Total(B) STATE SECTOR-FORCED OUTAGE		1478.00	1283.00	271.27	1124.00					
CENTRAL SECTOR										
ANTA GPS	2	88.71	31	7.50	31	30-Jul-19	0.01			MACHINE TAKEN UNDER SHUT DOWN
DABRI-H TFS	2	490.00	15	3.59	15	14-Aug-19	0.30			DUE TO ROTOR PROBLEM
RHAND	4	500.00	58	13.80	58	17-Aug-19	11.24			takes out due to high turbine vibration
SINGRAULI	1	200.00	34	8.20	34	02-Sep-19	13.38			RTL
DABRI GPS	4	130.19	22	5.30	22	02-Sep-19	12.25			NON AVAILABILITY OF SUFFICIENT GAS
Total(B) CENTRAL SECTOR-		1408.90	160.00	38.39	160.00					
G.TOTAL				309.66	1284.00					

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).