



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

| Power Position 13-Oct-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. –OCT- 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 | | |
| Oct-17 | | | | | | | | | | |
| 01-Oct-17 | 2052.07 | 2034.37 | 1961.11 | 1990.31 | 24.09 | 22.57 | 9517 | 8968 | 50.00 | 144.93 |
| 02-Oct-17 | 1955.19 | 2042.94 | 2012.63 | 1890.88 | 39.62 | 8.14 | 9262 | 9016 | 49.97 | 162.66 |
| 03-Oct-17 | 1952.76 | 1977.65 | 1967.29 | 1867.72 | 40.89 | 1.81 | 9222 | 8471 | 49.93 | 90.25 |
| 04-Oct-17 | 1938.48 | 1989.21 | 1982.51 | 1796.01 | 24.27 | -2.17 | 9115 | 8390 | 49.94 | 56.48 |
| 05-Oct-17 | 1959.56 | 1870.85 | 2039.94 | 1606.02 | 28.82 | 10.63 | 9061 | 7492 | 49.94 | 40.02 |
| 06-Oct-17 | 1914.81 | 1826.04 | 2025.64 | 1603.07 | 63.07 | 7.90 | 9252 | 7559 | 49.97 | 35.22 |
| 07-Oct-17 | 1895.69 | 1890.13 | 2028.58 | 1655.87 | 59.34 | -2.91 | 8991 | 7844 | 49.95 | 40.98 |
| 08-Oct-17 | 1946.49 | 1895.40 | 2001.50 | 1672.43 | 21.65 | 20.49 | 9273 | 7812 | 49.98 | 25.02 |
| 09-Oct-17 | 1950.06 | 1841.42 | 2008.78 | 1620.28 | 48.23 | 7.92 | 9303 | 7566 | 49.98 | 52.10 |
| 10-Oct-17 | 1949.14 | 1794.15 | 2039.56 | 1591.97 | 61.02 | 30.32 | 9736 | 7572 | 49.97 | 55.92 |
| 11-Oct-17 | 2069.25 | 1743.44 | 2087.98 | 1612.83 | 14.62 | 28.33 | 9714 | 7336 | 49.96 | 49.30 |
| 12-Oct-17 | 2121.39 | 1677.86 | 2086.36 | 1663.90 | 9.99 | 31.90 | 10367 | 7852 | 49.96 | 35.37 |
| 13-Oct-17 | 1980.25 | 1685.28 | | | | | | | | |
| 14-Oct-17 | | | | | | | | | | |
| 15-Oct-17 | | | | | | | | | | |
| 16-Oct-17 | | | | | | | | | | |
| 17-Oct-17 | | | | | | | | | | |
| 18-Oct-17 | | | | | | | | | | |
| 19-Oct-17 | | | | | | | | | | |
| 20-Oct-17 | | | | | | | | | | |
| 21-Oct-17 | | | | | | | | | | |
| 22-Oct-17 | | | | | | | | | | |
| 23-Oct-17 | | | | | | | | | | |
| 24-Oct-17 | | | | | | | | | | |
| 25-Oct-17 | | | | | | | | | | |
| 26-Oct-17 | | | | | | | | | | |
| 27-Oct-17 | | | | | | | | | | |
| 28-Oct-17 | | | | | | | | | | |
| 29-Oct-17 | | | | | | | | | | |
| 30-Oct-17 | | | | | | | | | | |
| 31-Oct-17 | | | | | | | | | | |
| MAXIMUM OF THE MONTH | 2121.39 | 2042.94 | 2087.98 | 1990.31 | 63.07 | 31.90 | 10367.00 | 9016.00 | 50.00 | 162.66 |
| MIN OF THE MONTH | 1895.69 | 1677.86 | 1961.11 | 1591.97 | 9.99 | -2.91 | 8991.00 | 7336.00 | 49.93 | 25.02 |
| AVERAGE | 1978.72 | 1877.48 | 2020.16 | 1714.27 | 36.30 | 13.74 | 9401.08 | 7989.83 | 49.96 | 65.69 |
| 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) | | | | | | | 10367 | (07.00-07.15 Hrs.) | 12-Oct-17 | |
| MAX.CONSUMPTION DURING THE FY 2016-17 (L.U.) | | | | | | | 2114.62 | 20-Sep-16 | | |
| MAX.PEAK LOAD DURING THE FY 2016-17 (MW) | | | | | | | 10367 | (07.00-07.15Hrs.) | 12-Oct-17 | |
| 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.) | | | | | | | 448.85 | 04-Aug-17 | | |

2. Anticipated Availability/Generation Assessment 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 |
|-------|--|---|----------------------------|------------------------|
| | | 12-Oct-17 | | |
| 1 | KTPS (1240/1240) | 222.00 | 222.00 | 201.75 |
| 2 | STPS (1500/1500) | 164.00 | 164.00 | 139.42 |
| 3 | DHOLPUR GAS CAPP (330/330) | 0.00 | 0.00 | 25.25 |
| 4 | RAMGARH (273.5/273.5) | 50.00 | 46.00 | 43.61 |
| 5 | RAPP-A(200/200) | 41.00 | 41.00 | 41.42 |
| 6 | MAHI (140/140) | 0.00 | 0.00 | 0.00 |
| 7 | CHAMBAL (RPS+JS) (135.5/271) | 31.08 | 29.00 | 28.27 |
| 8 | GIRAL LIGNITE (250/250) | 0.00 | 0.00 | 0.00 |
| 9 | CHHABRA TPS 1000/1000) | 164.00 | 164.00 | 164.53 |
| 10 | ADANI (TPS) + KALISINDH (TPS) (1200+1200/1320+1200) | 285.00 | 285.00 | 278.85 |
| 11 | WIND FARM (3980.40/4119.15) | 47.50 | 45.50 | 35.37 |
| 12 | SOLAR POWER(737.70/1295.70) | 0.00 | 0.00 | 0.72 |
| 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 | 53.39 | 41.85 | 41.85 |
| 16 | BIOMASS – (101.95/119.25) | 4.00 | 4.00 | 3.62 |
| 17 | BARSINGHAR LTPS(250/250) | 53.00 | 53.00 | 52.17 |
| 18 | RAJWEST (1080/1080) | 137.00 | 201.00 | 197.73 |
| | TOTAL (A) : 1-18 | 1251.97 | 1296.35 | 1254.56 |
| 19 | BBMB COMPLEX | | | |
| a) | BHAKRA(230.79/1516.3) | 26.63 | 27.64 | 26.44 |
| b) | DEHAR (198/ 990) | 15.00 | 14.32 | 14.72 |
| c) | PONG (231.66/396) | 41.75 | 29.01 | 38.80 |
| | TOTAL : a TO c | 83.38 | 70.97 | 79.96 |
| 20 | CENTRAL STATIONS | | | |
| d) | SINGRAULI (300/ 2000) | 89.78 | 81.58 | 84.96 |
| e) | RIHAND (310.24/3000) | 118.40 | 118.40 | 118.40 |
| f) | UNCHAHAAR-I(20/420) | 3.02 | 2.82 | 2.01 |
| g) | UNCHAHAAR-II& III(61/630) | 34.88 | 37.24 | 29.22 |
| h) | INDIRA GANDHI STPS(JHA/JHAR) 0.00/1500) | 0.00 | 0.00 | 0.00 |
| i) | NCTPS DADRI St-II (43.22/980) + DADRI-TH | 11.51 | 9.61 | 5.19 |
| j) | DADRI GAS (77/830) | 2.99 | 2.88 | 2.93 |
| k) | ANTA (83.07/419) | 1.91 | 0.58 | 2.49 |
| l) | AURAIYA (61.03/663) | 1.10 | 0.36 | 1.08 |
| m) | NAPP (44/440) | 9.36 | 9.60 | 9.60 |
| n) | RAPP-B (125/440) | 33.24 | 33.24 | 33.24 |
| o) | RAPP-C (88/440) | 20.58 | 20.58 | 20.58 |
| p) | SALAL (20.36/690) | 1.92 | 1.89 | 1.89 |
| q) | URI (70.37/720) | 3.36 | 3.34 | 3.20 |
| r) | TANAKPUR (10.86/94) | 1.95 | 2.02 | 2.01 |
| s) | CHAMERA –I (105.84/540) | 6.51 | 6.86 | 6.86 |
| t) | CHAMERA-II (29.01/300) | 2.71 | 2.90 | 2.68 |
| u) | CHAMERA-III (25.21/231) | 2.02 | 1.86 | 2.02 |
| v) | DHAULIGANGA (27/280) | 2.94 | 3.07 | 2.90 |
| w) | DULHASTI (42.42/390) | 9.57 | 10.09 | 9.36 |
| x) | SEWA (13/120) | 0.39 | 0.39 | 0.39 |
| y) | NJPC (112.00/1500)+RAMPUR(31.808/412.02) | 15.20 | 15.68 | 15.01 |
| z) | TEHRI (75/1000) | 5.18 | 5.18 | 5.18 |
| aa) | KOTESHWAR (33.44/400) + PARBATI3 (56.73/520) | 5.36 | 5.90 | 8.92 |
| ab) | TALA | 2.64 | 2.09 | 2.09 |
| ac) | MUNDRA UMPP (380/4000) | 70.08 | 70.08 | 70.08 |
| ad) | SASAN (372/3960) | 71.88 | 72.24 | 72.24 |
| ae) | FRKKA+KHLGN+TLCHR (70.18/3940) | 29.06 | 28.86 | 26.99 |
| af) | URS POWER(DADRI TH-I) | 0.00 | 0.00 | 0.00 |
| | TOTAL SCHEDULE(a TO af) | 640.91 | 620.30 | 621.48 |
| | LOSSES | -21.66 | -20.59 | -24.05 |
| | NET SCHEDULED | 619.26 | 599.71 | 597.43 |
| 21 | BILATERAL (REG.) EXCL. BANKING | 8.21 | 8.56 | 7.61 |
| 22 | BANKING | 0.00 | 0.00 | 0.00 |
| 23 | BILATERAL(INTER-REG.). EXCLUDING (ISOA & BANKING) | 103.27 | 90.47 | 114.74 |
| 24 | INTER STATE OPEN ACCESS (BILATERAL+IEX) | -53.39 | -41.85 | -41.85 |
| 25 | INDIAN ENERGY EXCHANGE | 50.94 | 143.87 | 143.87 |
| | TOTAL(B): (19 TO 25) | 728.28 | 825.04 | 821.81 |
| | TOTAL GENERATION (A +B) : 1 TO 25 | | | 2076.37 |
| | OVER DRAWAL (+)/UNDER DRAWAL (-) | | | 9.99 |
| | GRAND TOTAL | 1980.25 | 2121.39 | 2086.36 |
| | LAST YEAR | 1685.26 | 1677.86 | 1663.89 |

3.SYSTEM PARAMETERS AS ON 12-Oct-17

| | |
|--|--------------------------------------|
| MAXIMUM DRAWL ON 12-Oct-17 | 10357 MW at 07.00-07.15 Hrs 49.96 Hz |
| MINIMUM DRAWL ON 12-Oct-17 | 7756 MW at 03.45-04.00 Hrs 49.98 Hz |
| Max U/D of the day | 516 MW at 14.00-14.15 HRS. 49.96 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 | 5 |
| No. of Blocks in which Freq. >= 49.9 & <50.0 Hz | 63 |
| NO. OF BLOCKS(OD ABOVE 250 MW) IN WHICH FREQ. >= 49.9 & <50.0 Hz | 11 |
| NO. OF BLOCKS(UD ABOVE 250 MW) IN WHICH FREQ. >= 49.9 & <50.0 Hz | 5 |
| No. of Blocks in which Freq. >= 50.00 & <50.05 Hz | 19 |
| NO. OF BLOCKS(OD ABOVE 250 MW) IN WHICH FREQ. >= 50.00 & <50.05 Hz | 0 |
| 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 | 3 |
| NO. OF UD BLOCKS IN WHICH FREQ. >= 50.05 & <50.10 Hz | 0 |
| 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 (cusecs) | Inflow (cusecs) |
|---------------------|----------------|-------|--------------------|-----------|--------------------|-----------------|
| | Max. | Min. | 13-Oct-17 | 13-Oct-16 | | |
| Gandhi Sagar (Ft.) | 1312 | 1250 | NA | 1311.85 | 2938 | NA |
| R.P.Sagar (Ft.) | 1157.5 | 1128 | 1144.45 | 1157.48 | 5802 | 10137 |
| Jawahar Sagar (Ft.) | 980 | 970.4 | 975.70 | 978.00 | 5518 | 9725 |
| Kota Barrage(Ft.) | 854.5 | 852.3 | 853.00 | 854.10 | | |
| RMC | | | | | 5250 | |
| LMC | | | | | 700 | |
| Bhakra(Ft.) | 1690 | 1462 | 1665.79 | 1645.08 | 16449 | 11972 |
| Dehar (Ft.) | 2941 | 2900 | 2921.25 | 2921.71 | 4000 | 4183 |
| Pong(Ft.) | 1421 | 1260 | 1375.26 | 1364.37 | 15005 | 3662 |
| Mahi-I (Mts.) | 281.5 | 259 | 281.45 | 281.50 | NA | NIL |
| Mahi-II (Mts.) | 220.5 | 217 | 218.75 | 220.20 | NA | NIL |

5.POSITION OF COAL STOCK (In MT)

| AVERAGE FREQ. FOR THE DAY | | 12-Oct-17 | 49.96 Hz |
|---|--|------------------------------------|----------|
| Max O/D of the day | | 436 MW at 07.00-07.15 Hrs 49.96 Hz | |
| Frequency Profile | | % of Time | |
| LESS THAN 49.7 HZ | | 0.00 | |
| LESS THAN 49.90 HZ | | 16.19 | |
| OPERATING RANGE (49.90 HZ TO 50.05 HZ) | | 76.99 | |
| ABOVE 50.05 HZ | | 6.82 | |
| 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 | | 15 | |
| No. of 132 KV Feeders Disconnected | | 0 | |

| 6. GENERATING UNIT OUTAGE REPORT UP TO 8.00 HRS OF DT. | | 13-Oct-17 | |
|--|-----------------|--------------------------|---------------------------------------|
| Date | Name of Station | Stock at 00.00 hrs. (MT) | Coal stock sufficient for No. of days |
| 13-Oct-17 | KTPS | 42388 | 2 DAYS |
| | STPS | 5266 | 0.5 DAY |
| | CHHABRA | 29073 | 4 DAYS |
| | KALISINDH | 25921 | 2 DAYS |

(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) |
| DCPP | HRS02* | 55.00 | 50 | 12.00 | 50 | 13-Jul-16 | 16.35 | | | BOXED UP(PERMISSION GIVEN BY RV/NL ON DATE 17.08.17 BUT PROBLEM IN DCPP END) |
| DCPP | GT02* | 110.00 | 100 | 24.00 | 100 | 13-Jul-16 | 16.40 | | | BOXED UP(PERMISSION GIVEN BY RV/NL ON DATE 17.08.17 BUT PROBLEM IN DCPP END) |
| Total(A) STATE SECTOR- PLANNED OUTAGE | | 290.00 | 220.00 | 52.80 | 220.00 | | | | | |

CENTRAL SECTOR

| | | | | | | | | | | |
|---|------|--------|-------|------|-------|-----------|-------|--|--|----------------------------|
| DABRI | GT#2 | 130.19 | 22 | 5.30 | 22 | 09-Sep-17 | 23.45 | | | LOH INSPECTION FOR 4000HRS |
| ISTPP(JHAJHAR) | 2 | 500.00 | 5 | 1.20 | 5 | 30-Sep-17 | 21.10 | | | COAL SHORTAGE |
| UNCHAHAR | 2 | 210.00 | 11 | 2.70 | 11 | 08-Oct-17 | 12.22 | | | COAL SHORTAGE |
| Total(A) CENTRAL SECTOR- PLANNED OUTAGE | | 840.19 | 38.00 | 9.20 | 38.00 | | | | | |

(B) FORCE OUTAGE

STATE SECTOR

STATE SECTOR

| | | | | | | | | | | |
|-------------------------------------|-------|---------|---------|--------|---------|-----------|-------|-----------|-------|---|
| GIRAL | 2 | 125.00 | 70 | 16.80 | 70 | 27-Jan-16 | 15.27 | 31-Oct-17 | | DESYNCHRONIZED DUE TO ATTEND TUBE LEAKAGE IN ASH COOLAR-I |
| STPS | 3 | 250.00 | 229 | 55.00 | 229 | 10-Sep-17 | 22.15 | 15-Oct-17 | | INSUFFICIENT COAL STOCK |
| STPS | 6 | 250.00 | 229 | 55.00 | 229 | 11-Sep-17 | 0.10 | 15-Oct-17 | | INSUFFICIENT COAL STOCK |
| ADANI | 1 | 600.00 | 600 | 144.00 | 600 | 23-Sep-17 | 5.45 | 14-Oct-17 | | INSUFFICIENT COAL STOCK |
| KTPS | 1 | 110.00 | 100 | 23.00 | 100 | 27-Sep-17 | 12.59 | 15-Oct-17 | | COAL SHORTAGE |
| KTPS | 2 | 110.00 | 100 | 23.00 | 100 | 27-Sep-17 | 18.30 | 15-Oct-17 | | COAL SHORTAGE |
| CHHABRA | 2 | 250.00 | 225 | 54.00 | 225 | 02-Oct-17 | 20.50 | 15-Oct-17 | | COAL SHORTAGE |
| KALISINDH | 2 | 600.00 | 565 | 135.00 | 565 | 06-Oct-17 | 15.03 | 15-Oct-17 | | COAL SHORTAGE |
| STPS | 2 | 250.00 | 229 | 55.00 | 229 | 09-Oct-17 | 13.03 | 13-Oct-17 | | DESYNCHRONIZED DUE TO NON AVAILABILITY OF COAL STOCK |
| RAMGARH | STG#1 | 37.50 | 10 | 0.00 | 0 | 10-Oct-17 | 15.25 | 12-Oct-17 | 16.46 | MANUALLY TRIPPED DUE TO LEAKAGE IN HRS02 |
| RAJWEST | 6 | 135.00 | 120 | 28.68 | 120 | 11-Oct-17 | 21.54 | 13-Oct-17 | | HEAVY BED MATERIAL LEAKAGE |
| RAJWEST | 3 | 135.00 | 120 | 27.48 | 120 | 13-Oct-17 | 1.03 | | | HEAVY BED MATERIAL LEAKAGE |
| RAJWEST | 8 | 135.00 | 120 | 23.30 | 120 | 13-Oct-17 | 4.26 | | | TURBINE SIDE OIL LEAKAGE |
| Total(B) STATE SECTOR-FORCED OUTAGE | | 3047.50 | 2717.00 | 640.86 | 2707.00 | | | | | |

CENTRAL SECTOR

| | | | | | | | | | | |
|--|------|--------|--------|---------|-------|-----------|-------|--|--|---------------------------------|
| DABRI | GT#6 | 154.51 | 16 | 3.90 | 16 | 21-Sep-17 | 0.03 | | | MAINTENANCE OF GENERATOR FIELDS |
| DABRI | GT#3 | 130.19 | 22 | 5.30 | 22 | 06-Oct-17 | 14.18 | | | RESERVED SHUTDOWN |
| DABRI | GT#4 | 130.19 | 22 | 5.30 | 22 | 07-Oct-17 | 12.25 | | | RESERVED SHUTDOWN |
| Total(B) CENTRAL SECTOR- FORCED OUTAGE | | 414.89 | 60.00 | 14.50 | 60.00 | | | | | |
| G.TOTAL | | | 655.36 | 2767.00 | | | | | | |

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 (\$).