



## 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 Dav | Prior assessment of Avail. | Actual Energy Received |
|-------|--|---|----------------------------|------------------------|
|       |  | 19-Nov-18                               |                            |                        |
| 1     | KTPS (1240/1240)   | 246.00                                  | 246.00                     | 199.38                 |
| 2     | STPS (1500/1500)   | 220.00                                  | 275.00                     | 195.06                 |
| 3     | DHOLPUR GAS CCPP (330/330)   | 0.00                                    | 0.00                       | 0.00                   |
| 4     | RAMGARH (273.5/273.5)  | 19.00                                   | 22.00                      | 17.23                  |
| 5     | RAPP-A(200/200)  | 43.00                                   | 43.00                      | 37.43                  |
| 6     | MAHI (140/140)   | 0.00                                    | 0.00                       | 8.85                   |
| 7     | CHAMBAL (RPS+JS) (135.5/271)   | 39.00                                   | 39.00                      | 41.00                  |
| 8     | GIRAL LIGNITE (250/250)  | 0.00                                    | 0.00                       | 0.00                   |
| 9     | CHHABRA TPS (1000/1000)+CSCCTPP (660/660)                                    | 356.00                                  | 354.00                     | 326.63                 |
| 10    | ADANI (TPS) + KALISINDH (TPS) (1200+1200/1320+1200)                          | 423.60                                  | 423.00                     | 337.57                 |
| 11    | WIND FARM (4139.20/4292.95)  | 115.00                                  | 83.00                      | 157.77                 |
| 12    | SOLAR POWER(1661.70/2250.16)   | 137.15                                  | 147.17                     | 129.30                 |
| 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)  | 4.54                                    | 6.00                       | 4.54                   |
| 17    | BARSINGHSAR LTPS(250/250)  | 52.00                                   | 52.00                      | 52.26                  |
| 18    | RAJWEST (1080/1080)  | 172.00                                  | 172.00                     | 119.10                 |
|       | <b>TOTAL (A) : 1-18</b>  | <b>1827.29</b>                          | <b>1862.17</b>             | <b>1626.12</b>         |
| 19    | BBMB COMPLEX   |   |                            |                        |
| a)    | BHAKRA(230.79/1516.3)  | 16.38                                   | 15.98                      | 16.28                  |
| b)    | DEHAR (198/ 990)   | 10.33                                   | 9.80                       | 9.20                   |
| c)    | PONG (231.66/396)  | 27.72                                   | 24.63                      | 27.18                  |
|       | <b>TOTAL : a TO c</b>  | <b>54.44</b>                            | <b>50.41</b>               | <b>52.66</b>           |
| 20    | CENTRAL STATIONS   |   |                            |                        |
| d)    | SINGRAULI (300/ 2000)+SINGRAULI SHEP (1.87/8.00)                             | 94.54                                   | 90.93                      | 91.63                  |
| e)    | RIHAND (310.24/3000)   | 109.89                                  | 119.77                     | 119.77                 |
| f)    | UNCHAHAHAR-I(20/420)   | 2.27                                    | 5.14                       | 2.20                   |
| g)    | UNCHAHAHAR-II& III & IV(135.09/1130)   | 5.47                                    | 17.93                      | 6.52                   |
| h)    | INDIRA GANDHI STPS(JHAJHAR) 0.00/1500)                                       | 0.00                                    | 0.00                       | 0.00                   |
| i)    | NCTPS DADRI St-II ( 43.22/980) + DADRI-TH                                    | 3.55                                    | 13.77                      | 3.93                   |
| j)    | DADRI GAS (77/830)   | 1.47                                    | 0.00                       | 0.49                   |
| k)    | ANTA (83.07/419)   | 5.23                                    | 11.74                      | 5.40                   |
| l)    | AURAIYA (61.03/663)  | 0.00                                    | 0.00                       | 0.00                   |
| m)    | NAPP (44/440)  | 9.29                                    | 9.26                       | 9.26                   |
| n)    | RAPP-B (125/440)   | 15.63                                   | 15.86                      | 15.86                  |
| o)    | RAPP-C (88/440)  | 19.24                                   | 19.24                      | 19.24                  |
| p)    | SALAL (20.36/690)  | 1.01                                    | 1.08                       | 1.10                   |
| q)    | URI (70.37/720)  | 9.54                                    | 9.84                       | 9.57                   |
| r)    | TANAKPUR (10.86/94)  | 1.04                                    | 1.09                       | 1.04                   |
| s)    | CHAMERA –I (105.84/540)  | 5.99                                    | 5.99                       | 5.99                   |
| t)    | CHAMERA-II (29.01/300)   | 2.15                                    | 2.08                       | 1.90                   |
| u)    | CHAMERA-III (25.21/231)  | 1.46                                    | 1.46                       | 1.46                   |
| v)    | DHAULIGANGA (27/280)   | 1.37                                    | 1.39                       | 1.40                   |
| w)    | DULHASTI (42.42/390)   | 5.20                                    | 4.77                       | 4.64                   |
| x)    | SEWA (13/120)  | 0.62                                    | 0.62                       | 0.62                   |
| y)    | NJPC (112.00/1500)+RAMPUR(31.808/412.02)                                     | 8.88                                    | 8.86                       | 9.05                   |
| z)    | TEHRI (75/1000)  | 4.92                                    | 4.92                       | 4.91                   |
| aa)   | KOTESHWAR (33.44/400 ) + PARBATI3 (56.73/520)+KOLDAM (85.73/800)             | 6.74                                    | 6.47                       | 6.47                   |
| ab)   | TALA   | 0.60                                    | 0.65                       | 0.58                   |
| ac)   | MUNDRA UMPP (380/4000)   | 63.76                                   | 72.75                      | 64.72                  |
| ad)   | SASAN (372/3960)   | 84.15                                   | 69.65                      | 70.73                  |
| ae)   | FRKKA+KHLGN+TLCHR (70.18/3940)   | 22.51                                   | 24.06                      | 18.59                  |
| af)   | URS POWER(DADRI TH-I)  | 0.00                                    | 0.00                       | 0.00                   |
|       | TOTAL SCHEDULE(a TO af)  | 540.93                                  | 569.72                     | 529.71                 |
|       | LOSSES   | -0.01                                   | 0.00                       | 0.00                   |
|       | NET SCHEDULED  | <b>540.92</b>                           | <b>569.72</b>              | <b>529.71</b>          |
| 21    | BILATERAL (REG.) EXCL. BANKING   | 5.16                                    | 5.16                       | 5.16                   |
| 22    | BANKING  | 4.85                                    | 0.00                       | 4.85                   |
| 23    | BILATERAL(INTER-REG.) EXCLUDING (ISOA & BANKING)                             | 78.80                                   | 115.05                     | 115.05                 |
| 24    | INTER STATE OPEN ACCESS (BILATERAL+IEX)                                      | 0.00                                    | 0.00                       | -20.57                 |
| 25    | INDIAN ENERGY EXCHANGE   | -39.45                                  | -7.12                      | -7.12                  |
|       | <b>TOTAL(B): (19 TO 25)</b>  | <b>590.27</b>                           | <b>682.81</b>              | <b>627.08</b>          |
|       | TOTAL GENERATION (A +B) : 1 TO 25  |   |                            | <b>2253.20</b>         |
|       | OVER DRAWAL (+)/UNDER DRAWAL (-)   |   |                            | 5.42                   |
|       | <b>GRAND TOTAL</b>   | <b>2417.56</b>                          | <b>2544.98</b>             | <b>2258.62</b>         |
|       | LAST YEAR  | 2004.36                                 | 1877.40                    | 1908.64                |

## 3. SYSTEM PARAMETERS AS ON 19-Nov-18

|  |                                      |
|--|--------------------------------------|
| MAXIMUM DRAWL ON 19-Nov-18   | 11181 MW at 08.00-08.15 Hrs 50.05 HZ |
| MINIMUM DRAWL ON 19-Nov-18   | 7228 MW at 04.00-04.15 Hrs 49.99 HZ  |
| Max U/D of the day   | 377 MW at 17.30-17.45 Hrs 49.92 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                    | 8                                    |
| NO. OF VIOLATION (OD BLOCKS) IN WHICH FREQ. >= 49.7 & <49.9 Hz     | 5                                    |
| 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  | 9                                    |
| NO. OF BLOCKS(UD ABOVE 250 MW) IN WHICH FREQ. >= 49.9 & <50.00 Hz  | 6                                    |
| No. of Blocks in which Freq. >= 50.00 & <50.05 Hz                  | 25                                   |
| NO. OF BLOCKS(OD ABOVE 250 MW) IN WHICH FREQ. >= 50.00 & <50.05 Hz | 3                                    |
| 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               | 0                                    |
| 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 19-Nov-18                                | 49.97 Hz                             |
| Max O/D of the day   | 359 MW at 15.45-16.00 Hrs 49.96 HZ   |
| Frequency Profile  | % of Time                            |
| LESS THAN 49.7 HZ  | 0.00                                 |
| LESS THAN 49.90 HZ   | 12.50                                |
| OPERATING RANGE (49.90 HZ TO 50.05 HZ)                             | 79.20                                |
| ABOVE 50.05 HZ   | 8.30                                 |
| 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        | 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.  | 20-Nov-18          | 20-Nov-17 |                    |                 |
| Gandhi Sagar (Ft.)  | 1312           | 1250  | 1286.40            | 1298.42   | NIL                | 328             |
| R.P.Sagar (Ft.)     | 1157.5         | 1128  | 1140.98            | #REF!     | 9303               | 7706            |
| Jawahar Sagar (Ft.) | 980            | 970.4 | 974.70             | 975.50    | 8738               | 8171            |
| Kota Barrage(Ft.)   | 854.5          | 852.3 | 854.50             | 854.40    |                    |                 |
| RMC                 |                |       |                    |           | 6225               |                 |
| LMC                 |                |       |                    |           | 1500               |                 |
| Bhakra(Ft.)         | 1690           | 1462  | 1666.86            | NA        | 9022               | 7855            |
| Dehar (Ft.)         | 2941           | 2900  | 2929.63            | NA        | 2738               | 3037            |
| Pong(Ft.)           | 1421           | 1260  | 1379.51            | NA        | 10001              | 3367            |
| Mahi-I (Mts.)       | 281.5          | 259   | 280.30             | 281.10    | 3186               | NA              |
| Mahi-II (Mts.)      | 220.5          | 217   | 217.25             | 217.30    | 355                | NA              |

## 5. POSITION OF COAL STOCK (In MT)

| Date      | Name of Station | Stock at 00.00 hrs. (MT) | Coal stock sufficient for No. of days |
|-----------|-----------------|--------------------------|---------------------------------------|
| 20-Nov-18 | KTPS            | 352615                   | 17.5 days                             |
|           | STPS            | 196150                   | 8 days                                |
|           | CHHABRA         | 99194                    | 13 days                               |
|           | KALISINDH       | 157671                   | 11 days                               |

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

20-Nov-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-Jul-14 | 8.20  |                 |      | BED MATERIAL LEAKAGE (SD W.E.F.15.07.14) |
| RAMGARH                                | GT#2     | 37.50              | 29                     | 7.00   | 29     | 23-Sep-18 | 1.10  |                 |      | NON AVAILABILITY OF SUFFICIENT GAS       |
| RAMGARH                                | STG#2    | 50.00              | 40                     | 9.50   | 40     | 05-Oct-18 | 10.58 |                 |      | NON AVAILABILITY OF SUFFICIENT GAS       |
| 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                                 |
| STPS                                   | 2        | 250.00             | 229                    | 55.00  | 229    | 19-Nov-18 | 12.33 |                 |      | BOXED UP                                 |
| Total(A)-STATE SECTOR-PLANNED OUTAGE   |          | 792.50             | 668.00                 | 160.40 | 668.00 |           |       |                 |      |  |
| CENTRAL SECTOR                         |          |                    |                        |        |        |           |       |                 |      |  |
| RAPS-B                                 | 3        | 220.00             | 63                     | 15.07  | 63     | 14-Oct-18 | 11.57 |                 |      | ANNUAL MAINTENANCE                       |
| AURAIYA GPS                            | 2        | 111.19             | 18                     | 4.40   | 18     | 05-Nov-18 | 23.54 |                 |      | RESERVE SHUTDOWN                         |
| DABRI GPS                              | 5        | 154.51             | 16                     | 3.90   | 16     | 07-Nov-18 | 21.18 |                 |      | RESERVE SHUTDOWN                         |
| DABRI GPS                              | 4        | 130.19             | 22                     | 5.30   | 22     | 12-Nov-18 | 23.06 |                 |      | RESERVE SHUTDOWN                         |
| AURAIYA GPS                            | 5        | 109.30             | 12                     | 2.90   | 12     | 13-Nov-18 | 23.06 |                 |      | RESERVE SHUTDOWN                         |
| AURAIYA GPS                            | 1        | 111.19             | 12                     | 2.90   | 12     | 13-Nov-18 | 9.28  |                 |      | RESERVE SHUTDOWN                         |
| AURAIYA GPS                            | 4        | 111.19             | 12                     | 2.90   | 12     | 13-Nov-18 | 9.36  |                 |      | RESERVE SHUTDOWN                         |
| AURAIYA GPS                            | 6        | 109.30             | 12                     | 2.90   | 12     | 13-Nov-18 | 10.03 |                 |      | RESERVE SHUTDOWN                         |
| AURAIYA GPS                            | 3        | 111.19             | 12                     | 2.90   | 12     | 13-Nov-18 | 10.28 |                 |      | RESERVE SHUTDOWN                         |
| DABRI GPS                              | 2        | 130.19             | 16                     | 3.90   | 16     | 13-Nov-18 | 10.23 |                 |      | RESERVE SHUTDOWN                         |
| DABRI GPS                              | 6        | 154.51             | 16                     | 3.90   | 16     | 13-Nov-18 | 10.38 |                 |      | RESERVE SHUTDOWN                         |
| DABRI GPS                              | 3        | 130.19             | 16                     | 3.90   | 16     | 13-Nov-18 | 11.10 |                 |      | RESERVE SHUTDOWN                         |
| DABRI GPS                              | 1        | 130.19             | 16                     | 3.90   | 16     | 13-Nov-18 | 12.18 |                 |      | RESERVE SHUTDOWN                         |
| DABRI GPS                              | 5        | 154.51             | 16                     | 3.90   | 16     | 13-Nov-18 | 10.26 |                 |      | RESERVE SHUTDOWN                         |
| Total(A)-CENTRAL SECTOR-PLANNED OUTAGE |          | 1867.65            | 258.80                 | 62.67  | 258.80 |           |       |                 |      |  |

## (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 |           |       | DESYNCHRONIZED DUE TO ATTEND TUBE LEAKAGE IN ASH COOLAR-4  |
| KALISINDH                             | 2        | 600.00             | 565                    | 135.60 | 565     | 07-Apr-18        | 17.31 |           |       | DUE TO GENERATOR TRF TRIP                                  |
| KTPS                                  | 1        | 110.00             | 100                    | 23.00  | 100     | 31-May-18        | 17.25 |           |       | DESYNCHRONIZED DUE TO SUSPECTED TUBE LEAKAGE IN ECONOMISER |
| RAJWEST                               | 3        | 135.00             | 120                    | 28.68  | 120     | 03-Nov-18        | 16.57 |           |       | BED MATERIAL LEAKAGE                                       |
| RAJWEST                               | 4        | 135.00             | 120                    | 0.00   | 0       | 15-Nov-18        | 22.46 | 19-Nov-18 | 0.03  | HEAVY BED MATERIAL LEAKAGE                                 |
| ADANI                                 | 2        | 660.00             | 600                    | 0.00   | 0       | 16-Nov-18        | 14.15 | 19-Nov-18 | 1.31  | HOT END SECONDARY AIR DUCT BELLOW LEAKAGE                  |
| STPS                                  | 4        | 250.00             | 229                    | 55.00  | 229     | 18-Nov-18        | 20.45 |           |       | SHUTDOWN DUE TO BOILER PROBLEM                             |
| CTPP                                  | 1        | 250.00             | 225                    | 0.00   | 0       | 18-Nov-18        | 21.27 | 19-Nov-18 | 0.20  | DUE TO GENERATOR BEARING TEMP. VERY HIGH TRIP              |
| RAJWEST                               | 1        | 135.00             | 120                    | 28.68  | 120     | 19-Nov-18        | 3.50  |           |       | BED MATERIAL LEAKAGE                                       |
| RAMGARH                               | GT1      | 35.50              | 29                     | 0.00   | 0       | 19-Nov-18        | 14.07 | 19-Nov-18 | 16.43 | DUE TO TRIPPING IF SUB STATION TRF                         |
| RAMGARH                               | STG1     | 37.50              | 10                     | 0.00   | 0       | 19-Nov-18        | 14.07 | 19-Nov-18 | 20.42 | DUE TO TRIPPING IF SUB STATION TRF                         |
| Total(B)-STATE SECTOR-FORCED OUTAGE   |          | 2473.00            | 2187.00                | 287.76 | 1204.00 |                  |       |           |       |  |
| CENTRAL SECTOR                        |          |                    |                        |        |         |                  |       |           |       |  |
| UNCHAHAR                              | 6        | 500.00             | NA                     | NA     | NA      | 01-Nov-17        | 15.40 |           |       | FURNANCE PRESSURE HIGH                                     |
| Total(B)-CENTRAL SECTOR-FORCED OUTAGE |          | 500.00             | 0.00                   | 0.00   | 0.00    |                  |       |           |       |  |
| G.TOTAL                               |          |                    |                        | 287.76 | 1204.00 |                  |       |           |       |  |

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 (\$).