

पॉवर सिस्टम ऑपरेशन कारपोरेशन लिमिटेड  
राष्ट्रीय भार प्रेषण केंद्र, नई दिल्ली

Report for previous day

Date of Reporting

2-Feb-18

A. Maximum Demand

|  | NR    | WR    | SR    | ER    | NER   | Total  |
|--|-------|-------|-------|-------|-------|--------|
| Demand Met during Evening Peak hrs(MW) (at 1900 hrs: from RLDCs) | 43652 | 44905 | 39312 | 18098 | 2438  | 148405 |
| Peak Shortage (MW)   | 1955  | 44    | 0     | 0     | 52    | 2051   |
| Energy Met (MU)  | 907   | 1055  | 914   | 356   | 42    | 3274   |
| Hydro Gen(MU)  | 97    | 27    | 44    | 21    | 7     | 196    |
| Wind Gen(MU)   | 14    | 19    | 35    | ----- | ----- | 69     |
| Solar Gen (MU)*  | 8.09  | 17.78 | 51.55 | 0.69  | 0.02  | 78     |
| Energy Shortage (MU)   | 26.8  | 0.2   | 0.1   | 0.0   | 0.4   | 27.5   |
| Maximum Demand Met during the day (MW) (from NLDC SCADA)         | 45293 | 50549 | 43383 | 18904 | 2448  | 152774 |

B. Frequency Profile (%)

| Region    | FVI   | <49.7 | 49.7-49.8 | 49.8-49.9 | <49.9 | 49.9-50.05 | > 50.05 |
|-----------|-------|-------|-----------|-----------|-------|------------|---------|
| All India | 0.032 | 0.00  | 0.21      | 4.40      | 4.61  | 79.22      | 16.17   |

C. Power Supply Position in States

| Region/Region | States            | Max. Demand Met during the day (MW) | Shortage during maximum Demand (MW) | Energy Met (MU) | Drawal Schedule (MU) | OD(+)/UD(-) (MU) | Max OD (MW) | Energy Shortage (MU) |
|---------------|-------------------|-------------------------------------|-------------------------------------|-----------------|----------------------|------------------|-------------|----------------------|
| NR            | Punjab            | 5343                                | 0                                   | 105.8           | 30.5                 | 0.3              | 168         | 0.0                  |
|               | Haryana           | 6532                                | 122                                 | 121.5           | 58.3                 | 2.0              | 253         | 0.1                  |
|               | Rajasthan         | 9953                                | 2663                                | 208.2           | 69.2                 | 5.6              | 469         | 14.2                 |
|               | Delhi             | 3707                                | 0                                   | 64.8            | 48.1                 | -1.8             | 168         | 0.0                  |
|               | UP                | 14203                               | 780                                 | 296.1           | 99.4                 | 2.5              | 835         | 0.9                  |
|               | Uttarakhand       | 1987                                | 0                                   | 35.2            | 25.9                 | 1.3              | 156         | 1.2                  |
|               | HP                | 1517                                | 3                                   | 26.8            | 21.8                 | 1.4              | 176         | 0.0                  |
|               | J&K               | 2158                                | 540                                 | 44.7            | 40.2                 | 0.4              | 280         | 10.6                 |
| WR            | Chandigarh        | 218                                 | 0                                   | 3.5             | 3.2                  | 0.3              | 30          | 0.0                  |
|               | Chhattisgarh      | 3390                                | 0                                   | 73.8            | 12.1                 | -1.5             | 234         | 0.2                  |
|               | Gujarat           | 13995                               | 0                                   | 302.2           | 134.1                | 2.5              | 394         | 0.0                  |
|               | MP                | 9880                                | 0                                   | 215.7           | 125.0                | -1.3             | 288         | 0.0                  |
|               | Maharashtra       | 20532                               | 0                                   | 419.0           | 135.8                | 1.2              | 434         | 0.0                  |
|               | Goa               | 435                                 | 0                                   | 10.0            | 9.2                  | 0.2              | 27          | 0.0                  |
|               | DD                | 317                                 | 0                                   | 7.1             | 6.8                  | 0.3              | 45          | 0.0                  |
|               | DNH               | 733                                 | 0                                   | 17.4            | 16.5                 | 0.9              | 66          | 0.0                  |
| SR            | Essar steel       | 493                                 | 0                                   | 9.6             | 8.8                  | 0.7              | 261         | 0.0                  |
|               | Andhra Pradesh    | 8227                                | 0                                   | 163.6           | 50.7                 | -1.5             | 352         | 0.0                  |
|               | Telangana         | 9321                                | 0                                   | 182.4           | 78.2                 | 0.2              | 376         | 0.0                  |
|               | Karnataka         | 9758                                | 0                                   | 207.9           | 90.9                 | -2.3             | 378         | 0.0                  |
|               | Kerala            | 3362                                | 0                                   | 67.1            | 56.1                 | 1.3              | 228         | 0.0                  |
|               | Tamil Nadu        | 14188                               | 0                                   | 286.5           | 167.3                | -0.4             | 506         | 0.0                  |
| ER            | Pondy             | 328                                 | 0                                   | 6.5             | 7.0                  | -0.4             | 15          | 0.0                  |
|               | Bihar             | 3830                                | 0                                   | 66.7            | 63.0                 | -4.5             | 200         | 0.0                  |
|               | DVC               | 3083                                | 0                                   | 67.7            | -41.8                | -1.3             | 225         | 0.0                  |
|               | Jharkhand         | 1288                                | 0                                   | 22.9            | 13.9                 | -1.1             | 45          | 0.0                  |
|               | Odisha            | 4131                                | 0                                   | 73.9            | 18.8                 | 1.7              | 225         | 0.0                  |
|               | West Bengal       | 6779                                | 0                                   | 123.2           | 18.2                 | 0.6              | 220         | 0.0                  |
| NER           | Sikkim            | 110                                 | 0                                   | 2.0             | 1.6                  | 0.3              | 10          | 0.0                  |
|               | Arunachal Pradesh | 125                                 | 3                                   | 2.4             | 1.9                  | 0.5              | 35          | 0.0                  |
|               | Assam             | 1438                                | 9                                   | 23.7            | 19.8                 | 1.6              | 154         | 0.3                  |
|               | Manipur           | 190                                 | 1                                   | 2.8             | 2.8                  | 0.0              | 14          | 0.0                  |
|               | Meghalaya         | 325                                 | 0                                   | 5.8             | 4.5                  | -0.1             | 47          | 0.0                  |
|               | Mizoram           | 96                                  | 1                                   | 1.8             | 1.1                  | -0.2             | 31          | 0.0                  |
| NER           | Nagaland          | 118                                 | 2                                   | 2.0             | 1.9                  | 0.0              | 41          | 0.0                  |
|               | Tripura           | 227                                 | 1                                   | 3.8             | 2.1                  | 0.4              | 62          | 0.0                  |

D. Transnational Exchanges (MU) - Import(+ve)/Export(-ve)

|               | Bhutan | Nepal  | Bangladesh |
|---------------|--------|--------|------------|
| Actual(MU)    | 2.0    | -10.3  | -12.2      |
| Day peak (MW) | 119.9  | -292.9 | -618.5     |

E. Import/export By Regions(in MU) - Import(+ve)/Export(-ve); OD(+)/UD(-)

|              | NR    | WR     | SR    | ER    | NER | TOTAL |
|--------------|-------|--------|-------|-------|-----|-------|
| Schedule(MU) | 165.8 | -193.0 | 121.8 | -98.6 | 4.8 | 0.7   |
| Actual(MU)   | 159.5 | -192.7 | 119.7 | -93.4 | 5.7 | -1.2  |
| O/D/U/D(MU)  | -6.3  | 0.3    | -2.0  | 5.3   | 0.9 | -1.9  |

F. Generation Outage(MW)

|                | NR    | WR    | SR    | ER   | NER | Total |
|----------------|-------|-------|-------|------|-----|-------|
| Central Sector | 3997  | 12651 | 5302  | 1220 | 190 | 23360 |
| State Sector   | 10225 | 17055 | 5670  | 4045 | 50  | 37045 |
| Total          | 14222 | 29706 | 10972 | 5265 | 239 | 60405 |

G. Sourcewise generation (MU)

|                                     | NR  | WR   | SR  | ER  | NER | Total |
|-------------------------------------|-----|------|-----|-----|-----|-------|
| Thermal (Coal & Lignite)            | 560 | 1142 | 556 | 455 | 9   | 2722  |
| Hydro                               | 97  | 26   | 44  | 21  | 7   | 195   |
| Nuclear                             | 29  | 24   | 69  | 0   | 0   | 122   |
| Gas, Naptha & Diesel                | 34  | 46   | 19  | 0   | 24  | 124   |
| RES (Wind, Solar, Biomass & Others) | 49  | 37   | 126 | 2   | 0   | 214   |
| Total                               | 770 | 1275 | 814 | 478 | 40  | 3376  |

\*Source: RLDCs for solar connected to ISTS; SLDCs for embedded solar. Limited visibility of embedded solar data.

सचिव(ऊर्जा)/संयुक्त सचिव(पारेषण)/(ओ एम)/निदेशक(ओ एम)/मुख्य अभियंता-के०वि०प्रा०(ग्रिड)/  
मुख्य कार्यपालक अधिकारी(पोसोको)/सभी राज्यों के मुख्य सचिव/ऊर्जा सचिव

महाप्रबंधक (रा० भा० प्रे० के०)

| <b>INTER-REGIONAL EXCHANGES</b>       |               |                              |         |                 |                 |             |              | Date of Reporting : <b>2-Feb-18</b>            |
|---------------------------------------|---------------|------------------------------|---------|-----------------|-----------------|-------------|--------------|--|
| SI No                                 | Voltage Level | Line Details                 | Circuit | Max Import (MW) | Max Export (MW) | Import (MU) | Export (MU)  | NET (MU)                                       |
|                                       |               |                              |         |                 |                 |             |              | Import=(+ve)<br>/Export =(-ve)<br>for NET (MU) |
| <b>Import/Export of ER (With NR)</b>  |               |                              |         |                 |                 |             |              |  |
| 1                                     | 765kV         | GAYA-VARANASI                | D/C     | 0               | 356             | 0.0         | 10.8         | -10.8  |
| 2                                     |               | SASARAM-FATEHPUR             | S/C     | 0               | 278             | 0.0         | 1.5          | -1.5   |
| 3                                     |               | GAYA-BALIA                   | S/C     | 0               | 364             | 0.0         | 6.5          | -6.5   |
| 4                                     | HVDC          | ALIPURDUAR-AGRA              | -       | 0               | 0               | 0.0         | 0.0          | 0.0  |
| 5                                     |               | PUSAULI B/B                  | S/C     | 0               | 248             | 0.0         | 5.8          | -5.8   |
| 6                                     | 400 kV        | PUSAULI-VARANASI             | S/C     | 0               | 185             | 0.0         | 0.0          | 0.0  |
| 7                                     |               | PUSAULI -ALLAHABAD           | S/C     | 0               | 132             | 0.0         | 0.0          | 0.0  |
| 8                                     |               | MUZAFFARPUR-GORAKHPUR        | D/C     | 0               | 515             | 0.0         | 6.2          | -6.2   |
| 9                                     |               | PATNA-BALIA                  | Q/C     | 0               | 1042            | 0.0         | 15.4         | -15.4  |
| 10                                    |               | BIHARSHARIFF-BALIA           | D/C     | 0               | 291             | 0.0         | 4.2          | -4.2   |
| 11                                    |               | MOTIHARI-GORAKHPUR           | D/C     | 0               | 0               | 0.0         | 4.8          | -4.8   |
| 12                                    |               | BIHARSHARIFF-VARANASI        | D/C     | 0               | 360             | 0.0         | 1.7          | -1.7   |
| 13                                    | 220 kV        | PUSAULI-SAHUPURI             | S/C     | 0               | 0               | 0.0         | 0.0          | 0.0  |
| 14                                    | 132 kV        | SONE NAGAR-RIHAND            | S/C     | 0               | 0               | 0.0         | 0.0          | 0.0  |
| 15                                    |               | GARWAH-RIHAND                | S/C     | 0               | 0               | 0.5         | 0.0          | 0.5  |
| 16                                    |               | KARMANASA-SAHUPURI           | S/C     | 0               | 0               | 0.0         | 0.0          | 0.0  |
| 17                                    |               | KARMANASA-CHANDAULI          | S/C     | 0               | 0               | 0.0         | 0.0          | 0.0  |
| <b>ER-NR</b>                          |               |                              |         |                 |                 | <b>0.5</b>  | <b>56.8</b>  | <b>-56.2</b>                                   |
| <b>Import/Export of ER (With WR)</b>  |               |                              |         |                 |                 |             |              |  |
| 18                                    | 765 kV        | JHARSUGUDA-DHARAMJAIGARH S/C | D/C     | 0               | 0               | 11.7        | 0.0          | 11.7   |
| 19                                    |               | NEW RANCHI-DHARAMJAIGARH     | D/C     | 0               | 400             | 0.8         | 0.0          | 0.8  |
| 20                                    | 400 kV        | JHARSUGUDA-RAIGARH           | Q/C     | 0               | 170             | 4.0         | 0.0          | 4.0  |
| 21                                    |               | RANCHI-SIPAT                 | D/C     | 0               | 57              | 2.4         | 0.0          | 2.4  |
| 22                                    | 220 kV        | BUDHIPADAR-RAIGARH           | S/C     | 0               | 229             | 0.0         | 3.2          | -3.2   |
| 23                                    |               | BUDHIPADAR-KORBA             | D/C     | 0               | 26              | 0.8         | 0.0          | 0.8  |
| <b>ER-WR</b>                          |               |                              |         |                 |                 | <b>19.6</b> | <b>3.2</b>   | <b>16.4</b>                                    |
| <b>Import/Export of ER (With SR)</b>  |               |                              |         |                 |                 |             |              |  |
| 24                                    | 765 kV        | ANGUL-SRIKAKULAM             | D/C     | 0.0             | 0.0             | 0.0         | 20.5         | -20.5  |
| 25                                    | HVDC          | JEYPORE-GAZUWAKA B/B         | D/C     | 0.0             | 349.8           | 0.0         | 14.4         | -14.4  |
| 26                                    | LINK          | TALCHER-KOLAR BIPOLE         | D/C     | 0.0             | 2273.1          | 0.0         | 50.9         | -50.9  |
| 27                                    | 400 kV        | TALCHER-I/C                  | D/C     | 0.0             | 915.6           | 0.0         | 10.8         | -10.8  |
| 28                                    | 220 kV        | BALIMELA-UPPER-SILERRU       | S/C     | 0.0             | 0.0             | 0.0         | 0.0          | 0.0  |
| <b>ER-SR</b>                          |               |                              |         |                 |                 | <b>0.0</b>  | <b>85.9</b>  | <b>-85.9</b>                                   |
| <b>Import/Export of ER (With NER)</b> |               |                              |         |                 |                 |             |              |  |
| 29                                    | 400 kV        | BINAGURI-BONGAIGAON          | D/C     | 0               | 961             | 0.0         | 4.7          | -5   |
| 30                                    |               | ALIPURDUAR-BONGAIGAON        | D/C     | 0               | 783             | 3.9         |              | 4  |
| 31                                    | 220 kV        | ALIPURDUAR-SALAKATI          | D/C     | 0               | 0               | 0.0         | 2.2          | -2   |
| <b>ER-NER</b>                         |               |                              |         |                 |                 | <b>3.9</b>  | <b>6.9</b>   | <b>-3.0</b>                                    |
| <b>Import/Export of NER (With NR)</b> |               |                              |         |                 |                 |             |              |  |
| 32                                    | HVDC          | BISWANATH CHARIALI-AGRA      | -       | 0               | 400             | 0.0         | 5.0          | -5.0   |
| <b>NER-NR</b>                         |               |                              |         |                 |                 | <b>0.0</b>  | <b>5.0</b>   | <b>-5.0</b>                                    |
| <b>Import/Export of WR (With NR)</b>  |               |                              |         |                 |                 |             |              |  |
| 33                                    | HVDC          | CHAMPA-KURUKSHETRA           | D/C     | 0               | 1171            | 0.0         | 19.4         | -19.4  |
| 34                                    |               | V'CHAL B/B                   | D/C     | 250             | 250             | 0.1         | 4.1          | -3.9   |
| 35                                    |               | APL -MHG                     | D/C     | 0               | 708             | 0.0         | 13.7         | -13.7  |
| 36                                    | 765 kV        | GWALIOR-AGRA                 | D/C     | 0               | 2744            | 0.0         | 55.3         | -55.3  |
| 37                                    |               | PHAGI-GWALIOR                | D/C     | 0               | 1662            | 0.0         | 34.0         | -34.0  |
| 38                                    | 400 kV        | ZERDA-KANKROLI               | S/C     | 237             | 0               | 3.8         | 0.0          | 3.8  |
| 39                                    |               | ZERDA -BHINMAL               | S/C     | 215             | 70              | 1.8         | 0.0          | 1.8  |
| 40                                    |               | V'CHAL -RIHAND               | S/C     | 0               | 480             | 21.9        | 0.0          | 21.9   |
| 41                                    |               | RAPP-SHUJALPUR               | D/C     | 0               | 1835            | 0           | 2            | -2   |
| 42                                    |               | BADOD-KOTA                   | S/C     | 86              | 0               | 1.1         | 0.0          | 1.1  |
| 43                                    | 220 kV        | BADOD-MORAK                  | S/C     | 37              | 43              | 0.3         | 0.2          | 0.1  |
| 44                                    |               | MEHGAON-AURAIYA              | S/C     | 91              | 0               | 1.6         | 0.0          | 1.6  |
| 45                                    |               | MALANPUR-AURAIYA             | S/C     | 47              | 0               | 0.6         | 0.0          | 0.6  |
| 46                                    | 132kV         | GWALIOR-SAWAI MADHOPUR       | S/C     | 0               | 0               | 0.0         | 0.0          | 0.0  |
| <b>WR-NR</b>                          |               |                              |         |                 |                 | <b>31.3</b> | <b>128.9</b> | <b>-97.6</b>                                   |
| <b>Import/Export of WR (With SR)</b>  |               |                              |         |                 |                 |             |              |  |
| 47                                    | HVDC          | BHADRAWATI B/B               | -       | 0               | 1000            | 0.0         | 21.7         | -21.7  |
| 48                                    | LINK          | BARSUR-L.SILERU              | -       | 0               | 0               | 0.0         | 0.0          | 0.0  |
| 49                                    | 765 kV        | SOLAPUR-RAICHUR              | D/C     | 0               | 1234            | 0.0         | 19.5         | -19.5  |
| 50                                    |               | WARDHA-NIZAMABAD             | D/C     | 0               | 2040            | 0.0         | 40.3         | -40.3  |
| 51                                    | 400 kV        | KOLHAPUR-KUDGI               | D/C     | 373             | 41              | 1.6         | 1.4          | 0.1  |
| 52                                    | 220 kV        | KOLHAPUR-CHIKODI             | D/C     | 0               | 0               | 0.0         | 0.0          | 0.0  |
| 53                                    |               | PONDA-AMBEWADI               | S/C     | 0               | 0               | 0.0         | 0.0          | 0.0  |
| 54                                    |               | XELDEM-AMBEWADI              | S/C     | 89              | 0               | 1.3         | 0.0          | 1.3  |
| <b>WR-SR</b>                          |               |                              |         |                 |                 | <b>2.8</b>  | <b>82.8</b>  | <b>-80.0</b>                                   |
| <b>TRANSNATIONAL EXCHANGE</b>         |               |                              |         |                 |                 |             |              |  |
| 55                                    |               | BHUTAN                       |         |                 |                 |             |              | <b>2.0</b>                                     |
| 56                                    |               | NEPAL                        |         |                 |                 |             |              | <b>-10.3</b>                                   |
| 57                                    |               | BANGLADESH                   |         |                 |                 |             |              | <b>-12.2</b>                                   |