



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

Report for previous day

Date of Reporting

22-Jul-14

A. Maximum Demand

|  | NR    | WR    | SR    | ER    | NER   | Total  |
|--|-------|-------|-------|-------|-------|--------|
| Demand Met during Evening Peak hrs(MW) | 43874 | 35484 | 32371 | 15345 | 1812  | 128886 |
| Peak Shortage (MW)                     | 3600  | 459   | 1865  | 400   | 407   | 6731   |
| Energy Met (MU)                        | 1002  | 802   | 750   | 320   | 36    | 2910   |
| Hydro Gen(MU)                          | 295   | 17    | 63    | 62    | 16    | 452    |
| Wind Gen(MU)                           | 22    | 90    | 122   | ----- | ----- | 234    |

B. Frequency Profile (%)

| Region   | <49.2 | <49.7 | 49.7-49.8 | 49.8-49.9 | <49.9 | 49.9-50.05 | > 50.05 |
|----------|-------|-------|-----------|-----------|-------|------------|---------|
| NEW GRID | 0.00  | 2.00  | 5.16      | 20.31     | 27.49 | 58.53      | 13.98   |
| SR GRID  | 0.00  | 2.00  | 5.16      | 20.31     | 27.49 | 58.53      | 13.98   |

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) |
|---------------|-------------------|-------------------------------------|-------------------------------------|-----------------|----------------------|------------------|-------------|
| NR            | Punjab            | 9272                                | 0                                   | 216.0           | 124.4                | 0.2              | 118         |
|               | Haryana           | 8160                                | 0                                   | 170.4           | 107.4                | -0.9             | 185         |
|               | Rajasthan         | 7582                                | 0                                   | 164.6           | 37.9                 | -2.3             | 244         |
|               | Delhi             | 5308                                | 0                                   | 107.2           | 79.4                 | 0.2              | 389         |
|               | UP                | 10633                               | 3425                                | 250.3           | 118.8                | 2.1              | 297         |
|               | Uttarakhand       | 1611                                | 75                                  | 33.4            | 12.6                 | 0.0              | 91          |
|               | HP                | 1182                                | 0                                   | 24.8            | 0.6                  | 0.8              | 143         |
|               | J&K               | 1703                                | 100                                 | 29.3            | 18.5                 | 0.4              | 176         |
|               | Chandigarh        | 292                                 | 0                                   | 5.7             | 5.4                  | 0.3              | 40          |
| WR            | Chhattisgarh      | 1367                                | 0                                   | 57.3            | 14.4                 | -3.2             | 92          |
|               | Gujarat           | 10756                               | 0                                   | 238.8           | 39.8                 | -2.6             | 360         |
|               | MP                | 5859                                | 0                                   | 120.5           | 76.2                 | -0.5             | 490         |
|               | Maharashtra       | 16043                               | 68                                  | 352.4           | 93.0                 | 2.6              | 571         |
|               | Goa               | 346                                 | 0                                   | 7.4             | 6.7                  | 0.3              | 49          |
|               | DD                | 272                                 | 0                                   | 6.1             | 5.1                  | 1.0              | 130         |
|               | DNH               | 644                                 | 0                                   | 14.7            | 14.7                 | 0.0              | 58          |
| Essar steel   | 367               | 0                                   | 5.0                                 | 6.2             | -1.2                 | 11               |             |
| SR            | Andhra Pradesh    | 5661                                | 450                                 | 132.9           | 32.2                 | 1.1              | 281         |
|               | Telangana         | 5475                                | 450                                 | 121.3           | 69.7                 | 2.2              | 341         |
|               | Karnataka         | 7619                                | 500                                 | 156.5           | 20.2                 | 1.0              | 411         |
|               | Kerala            | 3007                                | 450                                 | 54.4            | 26.4                 | 2.2              | 278         |
|               | Tamil Nadu        | 13058                               | 0                                   | 278.2           | 74.2                 | 1.1              | 384         |
|               | Pondy             | 316                                 | 15                                  | 6.8             | 6.5                  | 0.2              | 41          |
| ER            | Bihar             | 2153                                | 280                                 | 43.7            | 45.7                 | -4.4             | 100         |
|               | DVC               | 2552                                | 0                                   | 56.5            | -9.2                 | 0.4              | 200         |
|               | Jharkhand         | 851                                 | 0                                   | 17.1            | 14.1                 | -1.9             | 60          |
|               | Odisha            | 3240                                | 0                                   | 62.3            | 26.2                 | -2.1             | 260         |
|               | West Bengal       | 7044                                | 0                                   | 139.0           | 38.8                 | -0.4             | 250         |
|               | Sikkim            | 78                                  | 0                                   | 1.3             | 1.1                  | 0.1              | 20          |
| NER           | Arunachal Pradesh | 112                                 | 2                                   | 1.7             | 1.8                  | -0.1             | 21          |
|               | Assam             | 1037                                | 288                                 | 23.2            | 15.0                 | 2.6              | 140         |
|               | Manipur           | 117                                 | 3                                   | 1.6             | 2.3                  | -0.7             | 38          |
|               | Meghalaya         | 261                                 | 4                                   | 4.0             | 1.2                  | -0.5             | 103         |
|               | Mizoram           | 74                                  | 1                                   | 1.0             | 1.2                  | -0.4             | 13          |
|               | Nagaland          | 104                                 | 4                                   | 1.6             | 1.5                  | 0.0              | 30          |
|               | Tripura           | 208                                 | 7                                   | 2.9             | 1.6                  | -0.5             | 62          |

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

|            | Bhutan | Nepal  | Bangladesh |
|------------|--------|--------|------------|
| Actual(MU) | 33.1   | -2.2   | -9.8       |
| Max MW     |        | -127.0 | -438.0     |

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

|              | NR    | WR     | SR   | ER    | NER  |
|--------------|-------|--------|------|-------|------|
| Schedule(MU) | 108.9 | -113.7 | 55.5 | -54.3 | 0.7  |
| Actual(MU)   | 101.6 | -104.1 | 62.1 | -59.3 | 0.5  |
| O/D/U/D(MU)  | -7.3  | 9.6    | 6.6  | -5.0  | -0.2 |

F. Generation Outage(MW)

|                | NR   | WR    | SR   | ER   | NER | Total |
|----------------|------|-------|------|------|-----|-------|
| Central Sector | 3122 | 10063 | 2160 | 2570 | 345 | 18260 |
| State Sector   | 5620 | 13866 | 4250 | 5329 | 110 | 29175 |
| Total          | 8742 | 23929 | 6410 | 7899 | 455 | 47435 |

सचिव(ऊर्जा)/ विशेष सचिव(ऊर्जा)/अतिरिक्त सचिव(ऊर्जा)/संयुक्त सचिव(पारेषण)/(ओ एम)/निदेशक(ओ एम)/मुख्य अभियंता-के०वि०प्रा०(ग्रि०प्र०)/अध्यक्ष एवं प्रबंध निदेशक (पावरग्रिड)/मुख्य कार्यपालक अधिकारी(पोसोको)/सभी राज्यों के मुख्य सचिव/ऊर्जा सचिव

| <b>INTER-REGIONAL EXCHANGES</b>       |               |                        |         |                 |                 |                               |              |              |
|---------------------------------------|---------------|------------------------|---------|-----------------|-----------------|-------------------------------|--------------|--------------|
|                                       |               |                        |         |                 |                 | Date of Reporting : 22-Jul-14 |              |              |
|                                       |               |                        |         |                 |                 | Import=(+ve) /Export =(-ve)   |              |              |
| SI No                                 | Voltage Level | Line Details           | Circuit | Max Import (MW) | Max Export (MW) | Import (MU)                   | Export (MU)  | NET (MU)     |
| <b>Import/Export of ER (With NR)</b>  |               |                        |         |                 |                 |                               |              |              |
| 1                                     | 765KV         | GAYA-FATEHPUR          | S/C     | 69              | -171            | 0                             | -1.2         | -1.2         |
| 2                                     |               | SASARAM-FATEHPUR       | D/C     | 0               | 0               | 0                             | -2.5         | -2.5         |
| 3                                     | HVDC LINK     | PUSAULI B/B            | S/C     | 0               | 0               | 0                             | -10          | -10          |
| 4                                     | 400 KV        | PUSAULI-SARNATH        | S/C     | 0               | -241            | 0                             | 0            | 0            |
| 5                                     |               | PUSAULI -ALLAHABAD     | D/C     | 0               | -207            | 0                             | 0            | 0            |
| 6                                     |               | MUZAFFARPUR-GORAKHPUR  | D/C     | 0               | -640            | 0                             | -11.2        | -11.2        |
| 7                                     |               | PATNA-BALIA            | D/C     | 0               | -147            | 0                             | -3.8         | -3.8         |
| 8                                     |               | BIHARSHARIFF-BALIA     | S/C     | 0               | -262            | 0                             | -4           | -4.3         |
| 9                                     |               | PUSAULI-BALIA          | D/C     | 128             | 0               | 3                             | 0            | 3            |
| 10                                    | 220 KV        | PUSAULI-SAHUPURI       | S/C     | 0               | -188            | 0                             | -3.4         | -3.4         |
| 11                                    | 132 KV        | SONE NAGAR-RIHAND      | S/C     | 0               | 0               | 0                             | 0            | 0            |
| 12                                    |               | GARWAH-RIHAND          | S/C     | 26              | 0               | 0                             | 0            | 0.0          |
| 13                                    |               | KARMANASA-SAHUPURI     | S/C     | 1               | 0               | 0                             | 0            | 0            |
| 14                                    |               | KARMANASA-CHANDALI     | S/C     | 0               | 0               | 0                             | 0            | 0            |
| <b>ER-NR</b>                          |               |                        |         |                 |                 | <b>3</b>                      | <b>-36.1</b> | <b>-33.2</b> |
| <b>Import/Export of ER (With WR)</b>  |               |                        |         |                 |                 |                               |              |              |
| 15                                    | 765 KV        | RANCHI-DHARAMJAIGARH   | S/C     |                 |                 | 0.3                           | 0.0          | 0.3          |
| 16                                    | 400 KV        | JHARSUGUDA-RAIGARH     | D/C     | 396             | 0               | 9.6                           | 0            | 9.6          |
| 17                                    |               | STERLITE-RAIGARH       | D/C     | 0               | 0               | 0                             | -1.7         | -1.7         |
| 18                                    |               | RANCHI-SIPAT           | D/C     | 193             | 0               | 2                             | 0.0          | 1.7          |
| 19                                    | 220 KV        | BUDHIPADAR-RAIGARH     | S/C     | 0               | -160            | 0                             | -2.0         | -2.0         |
| 20                                    |               | BUDHIPADAR-KORBA       | D/C     | 30              | -123            | 0                             | -1           | -0.7         |
| <b>ER-WR</b>                          |               |                        |         |                 |                 | <b>11.6</b>                   | <b>-4.4</b>  | <b>7.2</b>   |
| <b>Import/Export of ER (With SR)</b>  |               |                        |         |                 |                 |                               |              |              |
| 21                                    | HVDC LINK     | JEYPORE-GAZUWAKA B/B   | D/C     | 0               | -784            | 0                             | -16.8        | -16.8        |
| 22                                    |               | TALCHER-KOLAR BIPOLE   | D/C     | 0               | -2112           | 0                             | -47.0        | -47.0        |
| 23                                    | 400 KV        | TALCHER-I/C            |         | 0               | -1049           | 0                             | -18.6        | -18.6        |
| 24                                    | 220 KV        | BALIMELA-UPPER-SILERRU | S/C     | 0               | 0               | 0                             | 0.00         | 0.00         |
| <b>ER-SR</b>                          |               |                        |         |                 |                 | <b>0</b>                      | <b>-35.4</b> | <b>-35.4</b> |
| <b>Import/Export of ER (With NER)</b> |               |                        |         |                 |                 |                               |              |              |
| 25                                    | 400 KV        | BINAGURI-BONGAIGAON    | D/C     | 262             | -122            | 1                             | 0.0          | 0.9          |
| 26                                    | 220 KV        | BIRPARA-SALAKATI       | D/C     | 135             | -109            | 0                             | -0.7         | -0.7         |
| <b>ER-NER</b>                         |               |                        |         |                 |                 | <b>1</b>                      | <b>-0.7</b>  | <b>0.2</b>   |
| <b>Import/Export of WR (With NR)</b>  |               |                        |         |                 |                 |                               |              |              |
| 27                                    | HVDC          | V'CHAL B/B             | D/C     | 50              | -350            | 0.18                          | -3.70        | -3.5         |
| 28                                    | 765 KV        | GWALIOR-AGRA           | D/C     | 0               | -1966           | 0                             | -38.3        | -38.3        |
| 29                                    | 400 KV        | ZERDA-KANKROLI         | S/C     | 236             | -59             | 4.0                           | 0            | 4.0          |
| 30                                    | 400 KV        | ZERDA -BHINMAL         | S/C     | 260             | 0               | 3.8                           | 0            | 3.8          |
| 31                                    | 400 KV        | V'CHAL -RIHAND         | S/C     | 0               | 0               | 0.0                           | 0            | 0.0          |
| 32                                    | 220 KV        | BADOD-KOTA             | S/C     | 98              | 0               | 1.8                           | 0            | 1.8          |
| 33                                    |               | BADOD-MORAK            | S/C     | 91              | 0               | 1.6                           | 0            | 1.6          |
| 34                                    |               | MEHGAON-AURAIYA        | S/C     | 46              | 0               | 0.9                           | 0            | 0.9          |
| 35                                    |               | MALANPUR-AURAIYA       | S/C     | 24              | 0               | 0.3                           | 0            | 0.3          |
| 36                                    | 132KV         | GWALIOR-SAWAI MADHOPUR | S/C     | 0               | 0               | 0                             | 0            | 0            |
| <b>WR-NR</b>                          |               |                        |         |                 |                 | <b>12.6</b>                   | <b>-41.9</b> | <b>-29.4</b> |
| 37                                    | HVDC          | APL -MHG               | D/C     | 0               | -2000           | 0                             | -46.4        | -46.4        |
| <b>Import/Export of WR (With SR)</b>  |               |                        |         |                 |                 |                               |              |              |
| 38                                    | HVDC          | BHADRAWATI B/B         | -       | 0               | -1000           | 0                             | -23.6        | -23.6        |
| 39                                    | LINK          | BARSUR-L.SILERU        | -       | 0               | 0               | 0                             | 0            | 0.0          |
| 41                                    | 765 KV        | SOLAPUR-RAICHUR        | D/C     | 531             | -641            |                               |              | -3.2         |
| 42                                    | 220 KV        | KOLHAPUR-CHIKODI       | D/C     | 0               | 0               | 0                             | 0            | 0            |
| 43                                    |               | PONDA-AMBEWADI         | S/C     | 0               | 0               | 0                             | 0            | 0.0          |
| 44                                    |               | XELDEM-AMBEWADI        | S/C     | 93              | 0               | 1.9                           | 0.0          | 1.9          |
| <b>WR-SR</b>                          |               |                        |         |                 |                 |                               |              | <b>-24.9</b> |
| <b>TRANSNATIONAL EXCHANGE</b>         |               |                        |         |                 |                 |                               |              |              |
| 45                                    |               | BHUTAN                 |         |                 |                 |                               |              | <b>33.1</b>  |
| 46                                    |               | NEPAL                  |         |                 |                 |                               |              | <b>-2.2</b>  |
| 47                                    |               | BANGLADESH             |         |                 |                 |                               |              | <b>-9.8</b>  |