

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

साप्ताहिक रिपोर्ट (05-अगस्त-2013 से 11-अगस्त-2013 तक)  
(आई० ई० जी० सी० की धारा संख्या-5.5.1 के अंतर्गत)

रिपोर्टिंग तिथि:- 12/8/2013

**1. अधिकतम मांग आपूर्ति और आधिकतम कमी (मे०वा०)**

| क्षेत्र / दिनांक | उत्तरी क्षेत्र      |            | पश्चिमी क्षेत्र     |            | दक्षिणी क्षेत्र     |            | पूर्वी क्षेत्र      |            | पूर्वोत्तर क्षेत्र  |            | कुल                 |            |
|------------------|---------------------|------------|---------------------|------------|---------------------|------------|---------------------|------------|---------------------|------------|---------------------|------------|
|                  | अधिकतम मांग आपूर्ति | आधिकतम कमी | अधिकतम मांग आपूर्ति | आधिकतम कमी | अधिकतम मांग आपूर्ति | आधिकतम कमी | अधिकतम मांग आपूर्ति | आधिकतम कमी | अधिकतम मांग आपूर्ति | आधिकतम कमी | अधिकतम मांग आपूर्ति | आधिकतम कमी |
|                  | (मे०वा०)            | (मे०वा०)   | (मे०वा०)            | (मे०वा०)   | (मे०वा०)            | (मे०वा०)   | (मे०वा०)            | (मे०वा०)   | (मे०वा०)            | (मे०वा०)   | (मे०वा०)            | (मे०वा०)   |
| 5/8/2013         | 39857               | 2828       | 32834               | 209        | 28848               | 1609       | 15407               | 525        | 1765                | 325        | 118710              | 5496       |
| 6/8/2013         | 37341               | 1860       | 32441               | 143        | 29164               | 1502       | 15765               | 22         | 1868                | 277        | 116579              | 3804       |
| 7/8/2013         | 38997               | 1520       | 33402               | 219        | 30195               | 1745       | 15705               | 122        | 1794                | 325        | 120093              | 3931       |
| 8/8/2013         | 37710               | 2050       | 33001               | 480        | 30683               | 1633       | 15352               | 200        | 1833                | 305        | 118579              | 4668       |
| 9/8/2013         | 38175               | 230        | 31371               | 478        | 29133               | 1713       | 15023               | 0          | 1777                | 368        | 115479              | 2789       |
| 10/8/2013        | 37627               | 1970       | 32364               | 457        | 28777               | 1992       | 15371               | 303        | 1849                | 229        | 115988              | 4951       |
| 11/8/2013        | 37742               | 1910       | 31093               | 172        | 27680               | 2132       | 14815               | 383        | 1736                | 274        | 113066              | 4871       |

**2. ऊर्जा आपूर्ति और पनबिजली उत्पादन (मि०यू०)**

| क्षेत्र / तिथि | उत्तरी क्षेत्र |                 | पश्चिमी क्षेत्र |                 | दक्षिणी क्षेत्र |                 | पूर्वी क्षेत्र |                 | पूर्वोत्तर क्षेत्र |                 | कुल           |                 |
|----------------|----------------|-----------------|-----------------|-----------------|-----------------|-----------------|----------------|-----------------|--------------------|-----------------|---------------|-----------------|
|                | ऊर्जा आपूर्ति  | पनबिजली उत्पादन | ऊर्जा आपूर्ति   | पनबिजली उत्पादन | ऊर्जा आपूर्ति   | पनबिजली उत्पादन | ऊर्जा आपूर्ति  | पनबिजली उत्पादन | ऊर्जा आपूर्ति      | पनबिजली उत्पादन | ऊर्जा आपूर्ति | पनबिजली उत्पादन |
|                | (मि०यू०)       | (मि०यू०)        | (मि०यू०)        | (मि०यू०)        | (मि०यू०)        | (मि०यू०)        | (मि०यू०)       | (मि०यू०)        | (मि०यू०)           | (मि०यू०)        | (मि०यू०)      | (मि०यू०)        |
| 5/8/2013       | 948            | 286             | 713             | 109             | 678             | 185             | 313            | 72              | 32                 | 16              | 2684          | 668             |
| 6/8/2013       | 880            | 291             | 721             | 104             | 686             | 191             | 321            | 72              | 33                 | 21              | 2641          | 679             |
| 7/8/2013       | 883            | 296             | 727             | 109             | 696             | 194             | 314            | 74              | 32                 | 21              | 2652          | 694             |
| 8/8/2013       | 884            | 266             | 737             | 106             | 716             | 202             | 310            | 77              | 34                 | 22              | 2681          | 673             |
| 9/8/2013       | 869            | 279             | 714             | 107             | 706             | 199             | 313            | 76              | 35                 | 23              | 2636          | 684             |
| 10/8/2013      | 862            | 299             | 706             | 104             | 692             | 197             | 311            | 71              | 35                 | 23              | 2606          | 694             |
| 11/8/2013      | 858            | 301             | 698             | 98              | 668             | 178             | 309            | 68              | 36                 | 24              | 2568          | 669             |

**3. आवृत्ति (प्रतिशत समय में)**

| तिथि      | 49.7-49.8 |            | <49.7    |            | 49.7-50.2 |            | >50.2    |            | Average  |            | FVI      |            |
|-----------|-----------|------------|----------|------------|-----------|------------|----------|------------|----------|------------|----------|------------|
|           | न्यू गिड  | दक्षिण गिड | न्यू गिड | दक्षिण गिड | न्यू गिड  | दक्षिण गिड | न्यू गिड | दक्षिण गिड | न्यू गिड | दक्षिण गिड | न्यू गिड | दक्षिण गिड |
| 5/8/2013  | 0.3       | 7.0        | 0.0      | 2.6        | 85.8      | 90.2       | 14.2     | 7.2        | 50.07    | 50.01      | 0.18     | 0.22       |
| 6/8/2013  | 0.0       | 5.1        | 0.0      | 3.1        | 48.6      | 83.7       | 51.4     | 13.2       | 50.19    | 50.03      | 0.54     | 0.25       |
| 7/8/2013  | 0.3       | 7.0        | 0.1      | 2.4        | 67.5      | 82.7       | 32.4     | 14.9       | 50.15    | 50.03      | 0.47     | 0.27       |
| 8/8/2013  | 0.3       | 8.4        | 2.6      | 4.8        | 80.0      | 86.4       | 17.5     | 8.8        | 50.15    | 50.00      | 0.51     | 0.29       |
| 9/8/2013  | 0.0       | 10.3       | 0.0      | 5.3        | 48.4      | 75.6       | 51.6     | 19.0       | 50.21    | 50.03      | 0.66     | 0.38       |
| 10/8/2013 | 0.8       | 9.9        | 0.0      | 2.8        | 73.0      | 90.6       | 27.0     | 6.6        | 50.12    | 49.99      | 0.44     | 0.25       |
| 11/8/2013 | 0.4       | 2.8        | 0.0      | 0.3        | 56.5      | 84.1       | 43.5     | 15.6       | 50.17    | 50.07      | 0.49     | 0.24       |

**4. New Element Commissioned:-**

- (1) 132 kV Agia-Nangalbibra first time charged at 1238 hrs on 06.08.2013.  
(2) GMR EMCO unit-2(300 MW) first time charged at 1631 hrs on 06.08.2013.

पुनः/मल्लिकार्जुन  
DGM(SO) 13/8/13

## 5. Maximum Demand Met during the day & Peak Hour Shortage in States (in MW)

| Region | Date              | 5/8/2013                       |                  | 6/8/2013                       |                  | 7/8/2013                       |                  | 8/8/2013                       |                  | 9/8/2013                       |                  | 10/8/2013                      |                  | 11/8/2013                      |                  |
|--------|-------------------|--------------------------------|------------------|--------------------------------|------------------|--------------------------------|------------------|--------------------------------|------------------|--------------------------------|------------------|--------------------------------|------------------|--------------------------------|------------------|
|        | States            | Max. Demand Met during the day | Peak hr Shortage | Max. Demand Met during the day | Peak hr Shortage | Max. Demand Met during the day | Peak hr Shortage | Max. Demand Met during the day | Peak hr Shortage | Max. Demand Met during the day | Peak hr Shortage | Max. Demand Met during the day | Peak hr Shortage | Max. Demand Met during the day | Peak hr Shortage |
| NR     | Punjab            | 8226                           | 615              | 8153                           | 0                | 8121                           | 0                | 8117                           | 0                | 7882                           | 0                | 7842                           | 0                | 8060                           | 0                |
|        | Haryana           | 7446                           | 0                | 6995                           | 0                | 7136                           | 0                | 6693                           | 0                | 6168                           | 0                | 6900                           | 0                | 6741                           | 0                |
|        | Rajasthan         | 6096                           | 0                | 5911                           | 0                | 6081                           | 0                | 5993                           | 0                | 6191                           | 0                | 6113                           | 0                | 6022                           | 0                |
|        | Delhi             | 4649                           | 75               | 4197                           | 5                | 4218                           | 0                | 4160                           | 20               | 3665                           | 0                | 3881                           | 0                | 4075                           | 0                |
|        | UP                | 11689                          | 1820             | 11617                          | 1400             | 11069                          | 1320             | 10832                          | 1740             | 11635                          | 130              | 10527                          | 1870             | 10525                          | 1810             |
|        | Uttarakhand       | 1341                           | 155              | 1332                           | 355              | 1516                           | 100              | 1479                           | 190              | 1547                           | 0                | 1590                           | 0                | 1592                           | 0                |
|        | HP                | 1139                           | 63               | 1188                           | 0                | 1090                           | 0                | 1150                           | 0                | 1069                           | 0                | 1114                           | 0                | 1073                           | 0                |
|        | J&K               | 1575                           | 100              | 1547                           | 100              | 1553                           | 100              | 1620                           | 100              | 1471                           | 100              | 1434                           | 100              | 1447                           | 100              |
|        | Chandigarh        | 274                            | 0                | 257                            | 0                | 273                            | 0                | 273                            | 0                | 231                            | 0                | 251                            | 0                | 239                            | 0                |
| WR     | Chhattisgarh      | 2780                           | 35               | 2557                           | 30               | 2594                           | 35               | 2471                           | 55               | 2688                           | 66               | 2684                           | 127              | 2719                           | 14               |
|        | Gujarat           | 8980                           | 55               | 8943                           | 37               | 9152                           | 59               | 9267                           | 134              | 9413                           | 129              | 8887                           | 43               | 8440                           | 52               |
|        | MP                | 5704                           | 18               | 5616                           | 6                | 5754                           | 18               | 5525                           | 62               | 5372                           | 60               | 5522                           | 62               | 5524                           | 14               |
|        | Maharashtra       | 14147                          | 95               | 14213                          | 69               | 14472                          | 102              | 14103                          | 211              | 13852                          | 205              | 13662                          | 207              | 13548                          | 89               |
|        | Goa               | 397                            | 1                | 397                            | 0                | 377                            | 1                | 402                            | 5                | 386                            | 4                | 379                            | 4                | 358                            | 1                |
|        | DD                | 260                            | 1                | 267                            | 0                | 263                            | 1                | 268                            | 3                | 266                            | 3                | 251                            | 3                | 25                             | 1                |
|        | DNH               | 640                            | 2                | 641                            | 1                | 646                            | 2                | 648                            | 7                | 634                            | 6                | 633                            | 7                | 628                            | 1                |
|        | Essar steel       | 424                            | 23               | 276                            | 0                | 291                            | 1                | 453                            | 5                | 462                            | 5                | 406                            | 4                | 379                            | 1                |
| SR     | Andhra Pradesh    | 10841                          | 0                | 10517                          | 0                | 10885                          | 0                | 11090                          | 0                | 11385                          | 200              | 11230                          | 750              | 11197                          | 1000             |
|        | Karnataka         | 6544                           | 850              | 6750                           | 800              | 6810                           | 1000             | 6738                           | 1100             | 6666                           | 900              | 6423                           | 500              | 6511                           | 550              |
|        | Kerala            | 2708                           | 150              | 2754                           | 150              | 2936                           | 150              | 2861                           | 0                | 2831                           | 75               | 2870                           | 150              | 2863                           | 0                |
|        | Tamil Nadu        | 10970                          | 579              | 11286                          | 512              | 11470                          | 565              | 11150                          | 503              | 10993                          | 538              | 10715                          | 562              | 9868                           | 582              |
|        | Pondy             | 297                            | 30               | 286                            | 40               | 300                            | 30               | 315                            | 30               | 282                            | 0                | 273                            | 30               | 277                            | 0                |
| ER     | Bihar             | 1912                           | 300              | 2065                           | 0                | 1921                           | 100              | 1997                           | 0                | 2072                           | 0                | 2090                           | 300              | 2071                           | 375              |
|        | DVC               | 2621                           | 0                | 2625                           | 0                | 2588                           | 0                | 2345                           | 200              | 2550                           | 0                | 2727                           | 0                | 2704                           | 0                |
|        | Jharkhand         | 1025                           | 0                | 1002                           | 0                | 1025                           | 0                | 924                            | 0                | 899                            | 0                | 1006                           | 0                | 964                            | 0                |
|        | Odisha            | 3523                           | 200              | 3791                           | 0                | 3661                           | 0                | 3525                           | 0                | 3640                           | 0                | 3622                           | 0                | 3587                           | 0                |
|        | West Bengal       | 6596                           | 25               | 6919                           | 22               | 6788                           | 22               | 6714                           | 0                | 6413                           | 0                | 6510                           | 3                | 6072                           | 8                |
|        | Sikkim            | 68                             | 0                | 84                             | 0                | 93                             | 0                | 91                             | 0                | 87                             | 0                | 93                             | 0                | 84                             | 0                |
| NER    | Arunachal Pradesh | 102                            | 3                | 96                             | 2                | 96                             | 2                | 94                             | 1                | 89                             | 6                | 90                             | 3                | 97                             | 3                |
|        | Assam             | 1045                           | 208              | 1150                           | 165              | 1105                           | 205              | 1080                           | 230              | 1040                           | 270              | 1130                           | 133              | 1085                           | 137              |
|        | Manipur           | 102                            | 8                | 100                            | 3                | 110                            | 5                | 114                            | 1                | 113                            | 2                | 112                            | 3                | 109                            | 1                |
|        | Meghalaya         | 244                            | 5                | 255                            | 5                | 222                            | 5                | 247                            | 1                | 248                            | 2                | 235                            | 6                | 230                            | 6                |
|        | Mizoram           | 54                             | 1                | 51                             | 1                | 53                             | 2                | 60                             | 1                | 54                             | 7                | 54                             | 1                | 48                             | 7                |
|        | Nagaland          | 95                             | 3                | 90                             | 2                | 91                             | 1                | 91                             | 1                | 90                             | 2                | 89                             | 3                | 67                             | 13               |
|        | Tripura           | 185                            | 37               | 172                            | 46               | 172                            | 46               | 205                            | 15               | 196                            | 24               | 185                            | 28               | 190                            | 17               |

## 6. Energy Consumption in States (MUs)

| Region | States            | 5/8/13 | 6/8/13 | 7/8/13 | 8/8/13 | 9/8/13 | 10/8/13 | 11/8/13 |
|--------|-------------------|--------|--------|--------|--------|--------|---------|---------|
| NR     | Punjab            | 188.5  | 163.4  | 169.9  | 181.8  | 177.7  | 174.0   | 181.6   |
|        | Haryana           | 163.4  | 151.5  | 150.4  | 146.5  | 134.3  | 138.7   | 141.4   |
|        | Rajasthan         | 148.3  | 136.5  | 136.3  | 139.3  | 144.3  | 143.3   | 138.4   |
|        | Delhi             | 103.5  | 94.0   | 90.8   | 89.9   | 81.5   | 82.4    | 82.4    |
|        | UP                | 255.1  | 250.5  | 247.9  | 237.2  | 243.7  | 234.6   | 229.3   |
|        | Uttarakhand       | 29.8   | 27.4   | 31.3   | 31.4   | 31.8   | 32.2    | 31.2    |
|        | HP                | 23.7   | 24.1   | 23.3   | 22.9   | 22.7   | 24.4    | 23.1    |
|        | J&K               | 29.6   | 27.5   | 28.1   | 30.0   | 28.2   | 27.0    | 25.7    |
|        | Chandigarh        | 5.6    | 5.2    | 5.4    | 5.3    | 4.6    | 5.1     | 4.8     |
| WR     | Chhattisgarh      | 58.8   | 56.9   | 57.5   | 58.5   | 58.6   | 60.1    | 62.1    |
|        | Gujarat           | 192.6  | 198.0  | 199.5  | 205.2  | 201.6  | 196.0   | 188.6   |
|        | MP                | 116.3  | 114.8  | 115.7  | 116.5  | 110.7  | 109.1   | 111.6   |
|        | Maharashtra       | 307.5  | 316.1  | 318.2  | 317.3  | 304.3  | 302.8   | 298.4   |
|        | Goa               | 7.9    | 8.0    | 8.0    | 8.2    | 8.1    | 7.8     | 7.7     |
|        | DD                | 6.1    | 6.2    | 6.2    | 6.3    | 6.2    | 6.1     | 6.0     |
|        | DNH               | 15.1   | 15.1   | 15.4   | 15.4   | 15.1   | 15.0    | 15.0    |
|        | Essar steel       | 9.1    | 5.9    | 6.0    | 9.2    | 9.2    | 8.7     | 8.5     |
| SR     | Andhra Pradesh    | 245.4  | 240.4  | 246.0  | 256.3  | 256.6  | 253.7   | 250.6   |
|        | Karnataka         | 138.2  | 143.0  | 145.5  | 147.4  | 146.3  | 143.8   | 139.2   |
|        | Kerala            | 49.2   | 51.0   | 52.7   | 52.5   | 51.6   | 53.3    | 50.9    |
|        | Tamil Nadu        | 239.0  | 245.6  | 245.3  | 253.5  | 246.0  | 236.0   | 221.3   |
|        | Pondy             | 6.2    | 6.2    | 6.3    | 6.5    | 5.0    | 5.5     | 5.6     |
| ER     | Bihar             | 38.6   | 42.5   | 41.5   | 42.6   | 43.2   | 41.3    | 41.2    |
|        | DVC               | 58.0   | 57.8   | 57.7   | 55.5   | 58.0   | 56.9    | 59.2    |
|        | Jharkhand         | 19.6   | 20.8   | 20.4   | 19.5   | 19.9   | 18.8    | 19.5    |
|        | Odisha            | 67.7   | 68.8   | 68.9   | 67.0   | 68.5   | 68.4    | 69.2    |
|        | West Bengal       | 128.6  | 129.9  | 124.7  | 124.1  | 121.7  | 124.4   | 118.4   |
|        | Sikkim            | 0.6    | 1.1    | 1.3    | 1.2    | 1.2    | 1.1     | 1.1     |
| NER    | Arunachal Pradesh | 1.1    | 1.1    | 1.0    | 1.2    | 1.2    | 1.0     | 1.1     |
|        | Assam             | 19.3   | 20.6   | 19.6   | 21.8   | 22.3   | 22.3    | 22.1    |
|        | Manipur           | 1.3    | 1.2    | 1.3    | 1.3    | 1.3    | 1.4     | 1.7     |
|        | Meghalaya         | 4.1    | 4.3    | 4.7    | 4.5    | 4.1    | 4.8     | 4.5     |
|        | Mizoram           | 1.0    | 1.0    | 0.9    | 1.0    | 1.1    | 1.0     | 1.0     |
|        | Nagaland          | 1.4    | 1.3    | 1.4    | 1.4    | 1.7    | 1.4     | 2.1     |
|        | Tripura           | 3.3    | 3.1    | 3.0    | 3.1    | 3.1    | 3.4     | 3.2     |

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

साप्ताहिक रिपोर्ट (29-जुलाई-2013 से 04-अगस्त-2013 तक)  
(आई० ई० जी० सी० की धारा संख्या-5.5.1 के अंतर्गत)

7. अंतर्क्षेत्रीय विनिमय

Import=(+ve) /Export =(-ve)  
In Energy (MU)

| दिनांक | 5/8/13 | 6/8/13 | 7/8/13 | 8/8/13 | 9/8/13 | 10/8/13 | 11/8/13 |
|--------|--------|--------|--------|--------|--------|---------|---------|
| ER-NR  | -41.4  | -28.4  | -36.1  | -41.9  | -39.7  | -40.7   | -37.8   |
| ER-WR  | 7.4    | 0.1    | 2.1    | -2.4   | 0.5    | -1.7    | 0.8     |
| ER-SR  | -14.6  | -20.7  | -24.7  | -20.6  | -21.6  | -19.2   | -18.2   |
| ER-NER | -3.9   | -0.3   | -3.2   | -0.9   | -0.4   | -2.9    | 1.1     |
| WR-NR  | -30.8  | -10.5  | -15.6  | -27.4  | -21.8  | -23.6   | -20.6   |
| WR-SR  | -18.9  | -20.9  | -20.9  | -20.3  | -21.2  | -19.6   | -15.3   |

Note:- IR Flow/transaction is from first region to second region, e.g. ER-NR means ER with NR.

### 8). Major Grid Incidences

| Outage   |          | Region | Name of Element                                                                                                               | Owner / Agency | Event                                                                                                   | Generation/Loss                              | Revival  |          | Category as per CEA Grid Standards |
|----------|----------|--------|-------------------------------------------------------------------------------------------------------------------------------|----------------|---------------------------------------------------------------------------------------------------------|----------------------------------------------|----------|----------|------------------------------------|
| Date     | Time     |        |                                                                                                                               |                |                                                                                                         |                                              | Date     | Time     |                                    |
| 06.08.13 | 0130     |        | 315MVA, 400/220KV ICTs                                                                                                        |                | Due to jumper snapped in 220KV Muradnagar-Shamli line at Shamli S/S                                     | Load Loss=700MW                              | 06.08.13 | 0250     |                                    |
| 07.08.13 |          |        | 400KV Vijaywada-Venagiri<br>400KV Vijaywada-VTPS-I<br>VTPS-Malkaram-II                                                        |                | Due to LA blasting at Vijaywada end                                                                     |                                              |          |          |                                    |
| 07.08.13 | 1540hrs  | NER    | 132KV R. C. Nagar-Kumarghat<br>132KV P K Bari-Kumarghat<br>132KV Dullaichehra-Sicher<br>132KV Surajmaninagar-Budhjungnagar-II | NER            | Zone-2,R-Ph fault in 132KV R. C. Nagar-Kumarghat line                                                   | Load Loss=20 MW<br>Generation Loss=35 MW     | 07.08.13 | 1556hrs  | GD-I                               |
| 08.08.13 | 0440 hrs | WR     | 400 KV Tirora-Warora-I & II<br>400 KV Warora-Wardha-I & II<br>400 KV Wardha-IEPL<br>Tirora Unit I & II                        | POWERGRID/APL  | Due to tripping of evacuating lines due to Bus Fault at Warora, the generating units tripped at Tirora. | Generation Loss=860 MW                       | 08.08.13 | 1502 hrs | GD-I                               |
| 10.08.13 | 2116 hrs | ER     | 132 KV Purnea(PG)-Purnea(BSEB)<br>132 KV Purnea-Kishanganj<br>132 KV Purnea(BSEB)-Naugachia(BSEB)                             | BSPHCL         | Due to Jumper snapping in 132 KV Purnea(BSEB)-Naugachia(BSEB) given lines tripped                       | Load Loss=180 MW(including Nepal Load=60 MW) | 10.08.13 | 2210 hrs | GD-I                               |
| 11.08.13 | 1252 hrs | ER     | 132 KV Rangit-Kurseong-Siliguri<br>132 KV Rangit-Rammam<br>132 KV Rangit-Melli<br>132 KV Rangit-Gangtok                       | Sikkim         | Due to suspected fault in 132 KV Siliguri-NJP-NBU line following tripping occurred                      | Load Loss=70 MW<br>Generation Loss=145 MW    | 11.08.13 | 1412 hrs | GD-I                               |