



**National Load Despatch Centre**

राष्ट्रीय भार प्रेषण केंद्र

**POWER SYSTEM OPERATION CORPORATION LIMITED**

पावर सिस्टम ऑपरेशन कारपोरेशन लिमिटेड

(Government of India Enterprise/ भारत सरकार का उद्यम)

B-9, QUTUB INSTITUTIONAL AREA, KATWARIA SARAI, NEW DELHI -110016

बी-9, कुतुब इन्स्टीट्यूशनल एरिया, कटवारिया सराये, न्यू दिल्ली-110016

Ref: POSOCO/NLDC/SO/Daily PSP Report

दिनांक: 12<sup>th</sup> September 2017

To,

1. कार्यकारी निदेशक, पू.क्षे.भा.प्रे.के.,14 , गोल्फ क्लब रोड , कोलकाता - 700033  
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4. कार्यकारी निदेशक, ऊ.पू.क्षे.भा.प्रे.के., डोंगतिह, लोअर नोंग्रह , लापलंग, शिलोंग - 793006  
Executive Director, NERLDC, Dongteih, Lower Nongrah, Lapalang, Shillong - 793006, Meghalaya
5. महाप्रबंधक , द.क्षे.भा.प्रे.के.,29 , रेस कोर्स क्रॉस रोड, बंगलुरु -560009  
General Manager, SRLDC, 29, Race Course Cross Road, Bangalore-560009

**Sub: Daily PSP Report for the date 11.09.2017.**

महोदय/Dear Sir,

आई०ई०जी०सी०-2010 की धारा स.-5.5.1 के प्रावधान के अनुसार,दिनांक 11-सितंबर-2017 की अखिल भारतीय प्रणाली की दैनिक ग्रिड निष्पादन रिपोर्ट रा०भा०प्रे०के० की वेबसाइट पर उपलब्ध है

As per article 5.5.1 of the Indian Electricity Grid Code, the daily report pertaining power supply position of All India Power System for the date 11<sup>th</sup> September 2017, is available at the NLDC website.

धन्यवाद,



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

Report for previous day

Date of Reporting

12-Sep-17

**A. Maximum Demand**

|  | NR    | WR    | SR    | ER    | NER   | Total  |
|--|-------|-------|-------|-------|-------|--------|
| Demand Met during Evening Peak hrs(MW) (at 2000 hrs; from RLDCs) | 54185 | 42845 | 36654 | 19675 | 2432  | 155791 |
| Peak Shortage (MW)   | 1869  | 565   | 850   | 300   | 205   | 3789   |
| Energy Met (MU)  | 1205  | 1032  | 842   | 421   | 44    | 3544   |
| Hydro Gen(MU)  | 279   | 55    | 86    | 108   | 24    | 552    |
| Wind Gen(MU)   | 5     | 14    | 29    | ----- | ----- | 49     |
| Solar Gen (MU)*  | 2.20  | 12.56 | 30.20 | 1.20  | 0.00  | 46     |
| Energy Shortage (MU)   | 33.8  | 8.5   | 0.0   | 0.9   | 1.7   | 44.8   |
| Maximum Demand Met during the day (MW) (from NLDC SCADA)         | 54592 | 45112 | 37250 | 20007 | 2541  | 156312 |

**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 | 0.075 | 0.00  | 1.23      | 23.98     | 25.21 | 71.53      | 3.26    |

**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            | 9728                                | 0                                   | 218.6           | 103.9                | -1.6             | 158         | 0.0                  |     |
|               | Haryana           | 8295                                | 144                                 | 170.6           | 122.7                | 1.4              | 329         | 10.0                 |     |
|               | Rajasthan         | 9404                                | 0                                   | 212.4           | 80.0                 | -1.5             | 199         | 1.2                  |     |
|               | Delhi             | 5378                                | 0                                   | 113.3           | 89.8                 | -0.7             | 195         | 0.0                  |     |
|               | UP                | 17283                               | 1030                                | 383.1           | 177.4                | 1.9              | 538         | 13.6                 |     |
|               | Uttarakhand       | 1875                                | 0                                   | 39.9            | 11.7                 | 0.3              | 168         | 0.1                  |     |
|               | HP                | 1298                                | 25                                  | 24.7            | 4.4                  | 0.3              | 130         | 0.0                  |     |
|               | J&K               | 1953                                | 488                                 | 37.3            | 18.0                 | -0.3             | 182         | 8.9                  |     |
|               | Chandigarh        | 259                                 | 0                                   | 5.2             | 5.6                  | -0.4             | 24          | 0.0                  |     |
|               | WR                | Chhattisgarh                        | 3801                                | 189             | 88.1                 | 26.9             | -1.0        | 371                  | 2.5 |
| Gujarat       |                   | 14477                               | 30                                  | 319.0           | 57.8                 | 1.5              | 381         | 0.0                  |     |
| MP            |                   | 7742                                | 20                                  | 178.0           | 108.8                | -0.1             | 434         | 0.3                  |     |
| Maharashtra   |                   | 18381                               | 246                                 | 406.9           | 114.0                | 1.4              | 534         | 5.7                  |     |
| Goa           |                   | 434                                 | 0                                   | 9.3             | 8.5                  | 0.8              | 103         | 0.0                  |     |
| DD            |                   | 318                                 | 0                                   | 7.0             | 6.4                  | 0.7              | 53          | 0.0                  |     |
| DNH           |                   | 744                                 | 0                                   | 17.0            | 15.8                 | 1.2              | 139         | 0.0                  |     |
| Essar steel   |                   | 360                                 | 0                                   | 6.7             | 6.4                  | 0.3              | 175         | 0.0                  |     |
| SR            |                   | Andhra Pradesh                      | 6978                                | 0               | 154                  | 32               | 2.4         | 476                  | 0.0 |
|               |                   | Telangana                           | 8634                                | 0               | 188                  | 82               | 1.4         | 498                  | 0.0 |
|               | Karnataka         | 7581                                | 0                                   | 152             | 40                   | 3.0              | 468         | 0.0                  |     |
|               | Kerala            | 3322                                | 0                                   | 66              | 39                   | 1.9              | 212         | 0.0                  |     |
|               | Tamil Nadu        | 13156                               | 0                                   | 275             | 134                  | 5.3              | 442         | 0.0                  |     |
| ER            | Pondy             | 320                                 | 0                                   | 7               | 7                    | 0.2              | 43          | 0.0                  |     |
|               | Bihar             | 4341                                | 0                                   | 83.6            | 77.0                 | 0.9              | 200         | 0.0                  |     |
|               | DVC               | 2960                                | 0                                   | 67.3            | -26.5                | 0.4              | 225         | 0.0                  |     |
|               | Jharkhand         | 1199                                | 0                                   | 24.2            | 16.8                 | 1.1              | 100         | 0.0                  |     |
|               | Odisha            | 4238                                | 0                                   | 88.5            | 31.5                 | 0.6              | 250         | 0.9                  |     |
|               | West Bengal       | 7994                                | 0                                   | 155.8           | 58.5                 | 0.1              | 225         | 0.0                  |     |
|               | Sikkim            | 95                                  | 0                                   | 1.1             | 1.0                  | 0.2              | 10          | 0.0                  |     |
| NER           | Arumachal Pradesh | 110                                 | 2                                   | 1.9             | 2.3                  | -0.3             | 22          | 0.0                  |     |
|               | Assam             | 1595                                | 90                                  | 27.8            | 21.4                 | 1.7              | 135         | 1.1                  |     |
|               | Manipur           | 145                                 | 4                                   | 2.1             | 2.3                  | -0.2             | 35          | 0.2                  |     |
|               | Meghalaya         | 285                                 | 0                                   | 4.7             | -1.4                 | -0.1             | 47          | 0.0                  |     |
|               | Mizoram           | 74                                  | 3                                   | 1.1             | 1.1                  | -0.1             | 12          | 0.0                  |     |
|               | Nagaland          | 103                                 | 4                                   | 1.8             | 1.7                  | -0.1             | 27          | 0.1                  |     |
|               | Tripura           | 221                                 | 1                                   | 4.4             | 3.3                  | 0.5              | 57          | 0.2                  |     |

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

|               | Bhutan | Nepal  | Bangladesh |
|---------------|--------|--------|------------|
| Actual(MU)    | 33.5   | -4.8   | -14.8      |
| Day peak (MW) | 1481.8 | -265.2 | -659.3     |

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

|              | NR    | WR     | SR   | ER    | NER | TOTAL |
|--------------|-------|--------|------|-------|-----|-------|
| Schedule(MU) | 227.1 | -203.6 | 34.2 | -53.0 | 0.3 | 5.0   |
| Actual(MU)   | 218.4 | -210.6 | 38.0 | -43.6 | 0.6 | 2.8   |
| O/D/U/D(MU)  | -8.7  | -7.0   | 3.8  | 9.4   | 0.3 | -2.2  |

**F. Generation Outage(MW)**

|                | NR    | WR    | SR    | ER   | NER | Total |
|----------------|-------|-------|-------|------|-----|-------|
| Central Sector | 2070  | 16419 | 5810  | 2380 | 390 | 27068 |
| State Sector   | 8025  | 15377 | 8342  | 4865 | 110 | 36719 |
| Total          | 10095 | 31796 | 14152 | 7245 | 499 | 63787 |

**G. Sourcewise generation (MU)**

|                                     | NR   | WR   | SR  | ER  | NER | Total |
|-------------------------------------|------|------|-----|-----|-----|-------|
| Thermal (Coal & Lignite)            | 635  | 1124 | 552 | 377 | 0   | 2688  |
| Hydro                               | 279  | 55   | 86  | 108 | 24  | 552   |
| Nuclear                             | 32   | 3    | 49  | 0   | 0   | 85    |
| Gas, Naptha & Diesel                | 51   | 70   | 17  | 0   | 23  | 161   |
| RES (Wind, Solar, Biomass & Others) | 16   | 27   | 101 | 1   | 0   | 145   |
| Total                               | 1012 | 1280 | 806 | 486 | 47  | 3631  |

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

सचिव(ऊर्जा)/संयुक्त सचिव(परिचालन)/(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)

| INTER-REGIONAL EXCHANGES              |                       |                                       |         |                 |                 |              |              |  |           |
|---------------------------------------|-----------------------|---------------------------------------|---------|-----------------|-----------------|--------------|--------------|--|-----------|
|                                       |                       |                                       |         |                 |                 |              |              | Date of Reporting :                            | 12-Sep-17 |
|                                       |                       |                                       |         |                 |                 |              |              | Import-(+ve)<br>/Export =(-ve)<br>for NET (MU) |           |
| Sl 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-VARANASI                         | D/C     | 0               | 226             | 0.0          | 6.9          | -6.9   |           |
| 2                                     |                       | SASARAM-FATEHPUR                      | S/C     | 0               | 5               | 2.6          | 0.0          | 2.6  |           |
| 3                                     |                       | GAYA-BALIA                            | S/C     | 0               | 357             | 0.0          | 6.4          | -6.4   |           |
| 4                                     | HVDC                  | ALIPURDUAR-AGRA                       | -       | 0               | 176             | 0.0          | 7.3          | -7.3   |           |
| 5                                     |                       | PUSAULI B/B                           | S/C     | 0               | 198             | 0.0          | 4.9          | -4.9   |           |
| 6                                     | 400 KV                | PUSAULI-VARANASI                      | S/C     | 0               | 182             | 0.0          | 0.0          | 0.0  |           |
| 7                                     |                       | PUSAULI -ALLAHABAD                    | S/C     | 0               | 44              | 0.0          | 0.0          | 0.0  |           |
| 8                                     |                       | MUZAFFARPUR-GORAKHPUR                 | D/C     | 0               | 726             | 0.0          | 12.5         | -12.5  |           |
| 9                                     |                       | PATNA-BALIA                           | Q/C     | 0               | 839             | 0.0          | 15.9         | -15.9  |           |
| 10                                    |                       | BIHARSHARIFF-BALIA                    | D/C     | 0               | 246             | 0.0          | 4.1          | -4.1   |           |
| 11                                    |                       | BARH-GORAKHPUR                        | D/C     | 0               | 0               | 3.9          | 0.0          | 3.9  |           |
| 12                                    | BIHARSHARIFF-VARANASI | D/C                                   | 0       | 0               | 0.2             | 0.0          | 0.2          |  |           |
| 13                                    | 220 KV                | PUSAULI-SAHUPURI                      | S/C     | 0               | 217             | 0.0          | 3.8          | -3.8   |           |
| 14                                    | 132 KV                | SONE NAGAR-RIHAND                     | S/C     | 0               | 0               | 0.0          | 0.0          | 0.0  |           |
| 15                                    |                       | GARWAH-RIHAND                         | S/C     | 0               | 0               | 0.6          | 0.0          | 0.6  |           |
| 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>7.2</b>   | <b>61.7</b>  | <b>-54.5</b>                                   |           |
| <b>Import/Export of ER (With WR)</b>  |                       |                                       |         |                 |                 |              |              |  |           |
| 18                                    | 765 KV                | JHARSUGUDA-DHARAMJAIGARH S/C          | D/C     | 0               | 100             | 4.1          | 0.0          | 4.1  |           |
| 19                                    |                       | NEW RANCHI-DHARAMJAIGARH              | D/C     | 0               | 5               | 10.0         | 0.0          | 10.0   |           |
| 20                                    | 400 KV                | ROURKELA - RAIGARH ( SEL LILO BYPASS) | S/C     | 0               | 10              | 1.9          | 0.0          | 1.9  |           |
| 21                                    |                       | JHARSUGUDA-RAIGARH                    | S/C     | 0               | 12              | 1.2          | 0.0          | 1.2  |           |
| 22                                    |                       | IBEUL-RAIGARH                         | S/C     | 0               | 0               | 1.2          | 0.0          | 1.2  |           |
| 23                                    |                       | STERLITE-RAIGARH                      | D/C     | 0               | 0               | 4.1          | 0.0          | 4.1  |           |
| 24                                    |                       | RANCHI-SIPAT                          | D/C     | 0               | 0               | 4.5          | 0.0          | 4.5  |           |
| 25                                    | 220 KV                | BUDHIPADAR-RAIGARH                    | S/C     | 0               | 65              | 0.0          | 0.9          | -0.9   |           |
| 26                                    |                       | BUDHIPADAR-KORBA                      | D/C     | 0               | 0               | 2.7          | 0.0          | 2.7  |           |
| <b>ER-WR</b>                          |                       |                                       |         |                 |                 | <b>29.7</b>  | <b>0.9</b>   | <b>28.8</b>                                    |           |
| <b>Import/Export of ER (With SR)</b>  |                       |                                       |         |                 |                 |              |              |  |           |
| 27                                    | 765 KV                | ANGUL-SRIKAKULAM                      | D/C     | 0.0             | 0.0             | 0.0          | 10.0         | -10.0  |           |
| 28                                    | HVDC LINK             | JEYPORE-GAZUWAKA B/B                  | D/C     | 0.0             | 240.0           | 0.0          | 8.8          | -8.8   |           |
| 29                                    |                       | TALCHER-KOLAR BIPOLE                  | D/C     | 0.0             | 1314.8          | 0.0          | 16.7         | -16.7  |           |
| 30                                    | 400 KV                | TALCHER-I/C                           | D/C     | 0.0             | 1254.4          | 0.0          | 16.2         | -16.2  |           |
| 31                                    | 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>35.5</b>  | <b>-35.5</b>                                   |           |
| <b>Import/Export of ER (With NER)</b> |                       |                                       |         |                 |                 |              |              |  |           |
| 32                                    | 400 KV                | BINAGURI-BONGAIGAON                   | D/C     | 0               | 1353            | 0.0          | 7.3          | -7   |           |
| 33                                    |                       | ALIPURDUAR-BONGAIGAON                 | D/C     | 0               | 1091            | 0.0          | 4.8          | -5   |           |
| 34                                    | 220 KV                | ALIPURDUAR-SALAKATI                   | D/C     | 0               | 0               | 0.0          | 1.9          | -2   |           |
| <b>ER-NER</b>                         |                       |                                       |         |                 |                 | <b>0.0</b>   | <b>14.0</b>  | <b>-14.0</b>                                   |           |
| <b>Import/Export of NER (With NR)</b> |                       |                                       |         |                 |                 |              |              |  |           |
| 35                                    | HVDC                  | BISWANATH CHARIALI-AGRA               | -       | 0               | 701             | 0.0          | 15.6         | -15.6  |           |
| <b>NER-NR</b>                         |                       |                                       |         |                 |                 | <b>0.0</b>   | <b>15.6</b>  | <b>-15.6</b>                                   |           |
| <b>Import/Export of WR (With NR)</b>  |                       |                                       |         |                 |                 |              |              |  |           |
| 36                                    | HVDC                  | CHAMPA-KURUKSHETRA                    | D/C     | 0               | 2000            | 0.0          | 35.7         | -35.7  |           |
| 37                                    |                       | VCHAL B/B                             | D/C     | 400             | 0               | 9.7          | 0.0          | 9.7  |           |
| 38                                    |                       | APL -MHG                              | D/C     | 0               | 2015            | 0.0          | 42.1         | -42.1  |           |
| 39                                    | 765 KV                | GWALIOR-AGRA                          | D/C     | 0               | 2580            | 0.0          | 49.9         | -49.9  |           |
| 40                                    |                       | PHAGI-GWALIOR                         | D/C     | 0               | 1142            | 0.0          | 22.3         | -22.3  |           |
| 41                                    | 400 KV                | ZERDA-KANKROLI                        | S/C     | 84              | 47              | 0.5          | 0.0          | 0.5  |           |
| 42                                    |                       | ZERDA -BHINMAL                        | S/C     | 31              | 157             | 0.0          | 1.4          | -1.4   |           |
| 43                                    |                       | VCHAL -RIHAND                         | S/C     | 0               | 0               | 0.0          | 0.0          | 0.0  |           |
| 44                                    |                       | RAPP-SHUJALPUR                        | D/C     | 0               | 317             | 0            | 3            | -3   |           |
| 45                                    | 220 KV                | BADOD-KOTA                            | S/C     | 43              | 23              | 0.4          | 0.1          | 0.4  |           |
| 46                                    |                       | BADOD-MORAK                           | S/C     | 70              | 58              | 0.0          | 0.5          | -0.4   |           |
| 47                                    |                       | MEHGAON-AURAIYA                       | S/C     | 98              | 0               | 1.7          | 0.0          | 1.7  |           |
| 48                                    |                       | MALANPUR-AURAIYA                      | S/C     | 56              | 0               | 0.9          | 0.0          | 0.9  |           |
| 49                                    | 132KV                 | GWALIOR-SAWAI MADHOPUR                | S/C     | 0               | 0               | 0.0          | 0.0          | 0.0  |           |
| <b>WR-NR</b>                          |                       |                                       |         |                 |                 | <b>13.2</b>  | <b>154.7</b> | <b>-141.5</b>                                  |           |
| <b>Import/Export of WR (With SR)</b>  |                       |                                       |         |                 |                 |              |              |  |           |
| 50                                    | HVDC LINK             | BHADRAWATI B/B                        | -       | 0               | 800             | 0.0          | 10.0         | -10.0  |           |
| 51                                    |                       | BARSUR-L.SILERU                       | -       | 0               | 0               | 0.0          | 0.0          | 0.0  |           |
| 52                                    | 765 KV                | SOLAPUR-RAICHUR                       | D/C     | 155             | 801             | 155.2        | 5.2          | 150.1  |           |
| 53                                    |                       | WARDHA-NIZAMABAD                      | D/C     | 0               | 1523            | 0.0          | 28.2         | -28.2  |           |
| 54                                    | 400 KV                | KOLHAPUR-KUDGI                        | D/C     | 319             | 0               | 5.3          | 0.0          | 5.3  |           |
| 55                                    |                       | KOLHAPUR-CHIKODI                      | D/C     | 0               | 0               | 0.0          | 0.0          | 0.0  |           |
| 56                                    | 220 KV                | PONDA-AMBEWADI                        | S/C     | 0               | 0               | 0.0          | 0.0          | 0.0  |           |
| 57                                    |                       | XELDEM-AMBEWADI                       | S/C     | 73              | 0               | 2.0          | 0.0          | 2.0  |           |
| <b>WR-SR</b>                          |                       |                                       |         |                 |                 | <b>162.6</b> | <b>43.3</b>  | <b>119.2</b>                                   |           |
| <b>TRANSNATIONAL EXCHANGE</b>         |                       |                                       |         |                 |                 |              |              |  |           |
| 58                                    |                       | BHUTAN                                |         |                 |                 |              |              | <b>33.5</b>                                    |           |
| 59                                    |                       | NEPAL                                 |         |                 |                 |              |              | <b>-4.8</b>                                    |           |
| 60                                    |                       | BANGLADESH                            |         |                 |                 |              |              | <b>-14.8</b>                                   |           |