



**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: 06<sup>th</sup> August 2017

To,

1. महाप्रबंधक, पू.क्षे.भा.प्रे.के., 14, गोल्फ क्लब रोड, कोलकाता - 700033  
General Manager, ERLDC, 14 Golf Club Road, Tolleygunge, Kolkata, 700033
2. महाप्रबंधक, ऊ.क्षे.भा.प्रे.के., 18/ ए, शहीद जीत सिंह सनसनवाल मार्ग, नई दिल्ली - 110016  
General Manager, NRLDC, 18-A, Shaheed Jeet Singh Marg, Katwaria Sarai, New Delhi – 110016
3. महाप्रबंधक, प.क्षे.भा.प्रे.के., एफ3-, एम आई डी सी क्षेत्र, अंधेरी, मुंबई -400093  
General Manager, WRLDC, F-3, M.I.D.C. Area, Marol, Andheri (East), Mumbai-400093
4. महाप्रबंधक, ऊ.पू.क्षे.भा.प्रे.के., डोंगतिह, लोअर नोंग्रह, लापलंग, शिलोंग - 793006  
General Manager, NERLDC, Dongteih, Lower Nongrah, Lapalang, Shillong - 793006, Meghalaya
5. अपर महाप्रबंधक, द.क्षे.भा.प्रे.के., 29, रेस कोर्स क्रॉस रोड, बंगलुरु -560009  
Additional General Manager, SRLDC, 29, Race Course Cross Road, Bangalore-560009

**Sub: Daily PSP Report for the date 05.08.2017.**

महोदय/Dear Sir,

आईईजीसी-2010 की धारा स.-5.5.1 के प्रावधान के अनुसार, दिनांक 05-अगस्त-2017 की अखिल भारतीय प्रणाली की दैनिक ग्रिड निष्पादन रिपोर्ट राभाप्रेके 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 05<sup>th</sup> August 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

6-Aug-17

A. Maximum Demand

|  | NR    | WR    | SR    | ER    | NER   | Total  |
|--|-------|-------|-------|-------|-------|--------|
| Demand Met during Evening Peak hrs(MW) (at 2000 hrs; from RLDCs) | 50976 | 42519 | 37433 | 18677 | 2498  | 152103 |
| Peak Shortage (MW)   | 2146  | 130   | 0     | 0     | 169   | 2446   |
| Energy Met (MU)  | 1165  | 992   | 902   | 387   | 50    | 3496   |
| Hydro Gen(MU)  | 375   | 20    | 55    | 109   | 25    | 584    |
| Wind Gen(MU)   | 20    | 88    | 174   | ----- | ----- | 282    |
| Solar Gen (MU)*  | 2.85  | 10.88 | 24.30 | 0.70  | 0.02  | 39     |
| Energy Shortage (MU)   | 11.0  | 0.0   | 0.0   | 0.0   | 1.3   | 12.3   |
| Maximum Demand Met during the day (MW) (from NLDC SCADA)         | 52265 | 42555 | 38757 | 19054 | 2602  | 153563 |

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 | 0.060 | 0.00  | 0.88      | 17.40     | 18.28 | 74.32      | 7.41    |

C. Power Supply Position in States

| RegionRegion | 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            | 9472                                | 0                                   | 216.1           | 132.6                | 0.4              | 113         | 0.0                  |
|              | Haryana           | 8469                                | 119                                 | 174.2           | 121.2                | 0.6              | 277         | 0.2                  |
|              | Rajasthan         | 8604                                | 0                                   | 190.2           | 87.9                 | 1.8              | 282         | 1.6                  |
|              | Delhi             | 5338                                | 0                                   | 107.4           | 83.4                 | -0.7             | 240         | 0.0                  |
|              | UP                | 17070                               | 340                                 | 371.4           | 168.4                | 2.7              | 697         | 0.0                  |
|              | Uttarakhand       | 1731                                | 0                                   | 37.1            | 11.4                 | 0.8              | 215         | 0.0                  |
|              | HP                | 1233                                | 0                                   | 25.5            | -2.3                 | 2.5              | 326         | 0.0                  |
|              | J&K               | 1963                                | 491                                 | 38.1            | 13.2                 | -1.0             | 232         | 9.1                  |
| Chandigarh   | 260               | 0                                   | 5.4                                 | 6.1             | -0.7                 | 0                | 0.0         |                      |
| WR           | Chhattisgarh      | 3876                                | 0                                   | 92.9            | 40.3                 | 1.7              | 210         | 0.0                  |
|              | Gujarat           | 11880                               | 0                                   | 264.9           | 64.0                 | -0.9             | 400         | 0.0                  |
|              | MP                | 7608                                | 0                                   | 164.6           | 102.2                | 0.8              | 421         | 0.0                  |
|              | Maharashtra       | 19631                               | 0                                   | 429.8           | 117.3                | 3.4              | 515         | 0.0                  |
|              | Goa               | 455                                 | 0                                   | 8.9             | 8.9                  | 0.0              | 45          | 0.0                  |
|              | DD                | 323                                 | 0                                   | 7.3             | 6.2                  | 1.1              | 36          | 0.0                  |
|              | DNH               | 743                                 | 0                                   | 17.1            | 16.7                 | 0.4              | 65          | 0.0                  |
|              | Essar steel       | 332                                 | 0                                   | 6.6             | 5.8                  | 0.8              | 354         | 0.0                  |
| SR           | Andhra Pradesh    | 7197                                | 0                                   | 158             | 36                   | 2.0              | 555         | 0.0                  |
|              | Telangana         | 8611                                | 0                                   | 190             | 115                  | -1.7             | 465         | 0.0                  |
|              | Karnataka         | 8528                                | 0                                   | 186             | 68                   | 0.7              | 717         | 0.0                  |
|              | Kerala            | 3195                                | 0                                   | 63              | 45                   | 1.2              | 275         | 0.0                  |
|              | Tamil Nadu        | 13564                               | 0                                   | 298             | 97                   | 1.3              | 433         | 0.0                  |
|              | Pondy             | 341                                 | 0                                   | 7               | 7                    | -0.1             | 38          | 0.0                  |
| ER           | Bihar             | 4067                                | 0                                   | 79.3            | 73.8                 | 2.2              | 210         | 0.0                  |
|              | DVC               | 2682                                | 0                                   | 60.4            | -23.2                | 1.5              | 224         | 0.0                  |
|              | Jharkhand         | 1155                                | 0                                   | 22.1            | 15.3                 | 0.3              | 100         | 0.0                  |
|              | Odisha            | 3859                                | 0                                   | 74.3            | 22.4                 | -4.9             | 150         | 0.0                  |
|              | West Bengal       | 7921                                | 0                                   | 149.7           | 48.2                 | 2.7              | 330         | 0.0                  |
|              | Sikkim            | 91                                  | 0                                   | 1.1             | 1.1                  | 0.0              | 12          | 0.0                  |
| NER          | Arunachal Pradesh | 107                                 | 2                                   | 2.1             | 2.4                  | -0.4             | 6           | 0.0                  |
|              | Assam             | 1620                                | 128                                 | 31.9            | 24.2                 | 2.8              | 185         | 1.1                  |
|              | Manipur           | 137                                 | 4                                   | 2.1             | 2.1                  | 0.0              | 30          | 0.0                  |
|              | Meghalaya         | 260                                 | 0                                   | 5.6             | -0.5                 | 0.5              | 36          | 0.0                  |
|              | Mizoram           | 70                                  | 2                                   | 1.3             | 1.2                  | 0.0              | 11          | 0.0                  |
|              | Nagaland          | 114                                 | 3                                   | 2.0             | 2.0                  | -0.2             | 15          | 0.0                  |
|              | Tripura           | 218                                 | 2                                   | 4.5             | 3.8                  | 0.3              | 86          | 0.0                  |

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

|               | Bhutan | Nepal  | Bangladesh |
|---------------|--------|--------|------------|
| Actual(MU)    | 35.4   | -7.4   | -14.4      |
| Day peak (MW) | 1534.6 | -335.8 | -651.4     |

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

|              | NR    | WR     | SR    | ER    | NER | TOTAL |
|--------------|-------|--------|-------|-------|-----|-------|
| Schedule(MU) | 191.9 | -206.6 | 113.1 | -98.1 | 2.7 | 3.0   |
| Actual(MU)   | 188.6 | -210.6 | 110.5 | -97.6 | 4.9 | -4.2  |
| O/D/U/D(MU)  | -3.3  | -4.0   | -2.6  | 0.5   | 2.2 | -7.2  |

F. Generation Outage(MW)

|                | NR    | WR    | SR    | ER   | NER | Total |
|----------------|-------|-------|-------|------|-----|-------|
| Central Sector | 3629  | 15031 | 5810  | 1070 | 368 | 25909 |
| State Sector   | 8675  | 20368 | 12562 | 5585 | 110 | 47300 |
| Total          | 12304 | 35399 | 18372 | 6655 | 478 | 73209 |

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

सचिव(ऊर्जा)/संयुक्त सचिव(पारिषद)/(ओ एम)/निदेशक(ओ एम)/मुख्य अभियंता-के०वि०प्रा०(ग्रि०प्र०)/  
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>6-Aug-17</b>            |
|---------------------------------------|---------------|---------------------------------------|---------|-----------------|-----------------|-------------|--------------|--|
| Sl 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               | 162             | 0.0         | 5.0          | -5.0   |
| 2                                     |               | SASARAM-FATEHPUR                      | S/C     | 0               | 38              | 2.1         | 0.0          | 2.1  |
| 3                                     |               | GAYA-BALIA                            | S/C     | 0               | 291             | 0.0         | 5.0          | -5.0   |
| 4                                     | HVDC          | ALIPURDUAR-AGRA                       | -       | 0               | 304             | 0.0         | 2.9          | -2.9   |
| 5                                     |               | PUSAULI B/B                           | S/C     | 0               | 198             | 0.0         | 4.8          | -4.8   |
| 6                                     | 400 KV        | PUSAULI-VARANASI                      | S/C     | 0               | 175             | 0.0         | 0.0          | 0.0  |
| 7                                     |               | PUSAULI-ALLAHABAD                     | S/C     | 0               | 47              | 0.0         | 0.0          | 0.0  |
| 8                                     |               | MUZAFFARPUR-GORAKHPUR                 | D/C     | 0               | 548             | 0.0         | 8.9          | -8.9   |
| 9                                     |               | PATNA-BALIA                           | Q/C     | 0               | 912             | 0.0         | 17.9         | -17.9  |
| 10                                    |               | BIHARSHARIFF-BALIA                    | D/C     | 0               | 213             | 0.0         | 4.0          | -4.0   |
| 11                                    |               | BARH-GORAKHPUR                        | D/C     | 0               | 261             | 0.0         | 7.2          | -7.2   |
| 12                                    |               | BIHARSHARIFF-VARANASI                 | D/C     | 0               | 0               | 0.6         | 0.0          | 0.6  |
| 13                                    | 220 KV        | PUSAULI-SAHUPURI                      | S/C     | 0               | 243             | 0.0         | 4.6          | -4.6   |
| 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>3.2</b>  | <b>60.1</b>  | <b>-56.9</b>                                   |
| <b>Import/Export of ER (With WR)</b>  |               |                                       |         |                 |                 |             |              |  |
| 18                                    | 765 KV        | JHARSUGUDA-DHARAMJAIGARH S/C          | D/C     | 0               | 0               | 9.8         | 0.0          | 9.8  |
| 19                                    |               | NEW RANCHI-DHARAMJAIGARH              | D/C     | 0               | 74              | 6.1         | 0.0          | 6.1  |
| 20                                    | 400 KV        | ROURKELA - RAIGARH ( SEL LILO BYPASS) | S/C     | 0               | 17              | 1.2         | 0.0          | 1.2  |
| 21                                    |               | JHARSUGUDA-RAIGARH                    | S/C     | 0               | 25              | 0.7         | 0.0          | 0.7  |
| 22                                    |               | IBEUL-RAIGARH                         | S/C     | 0               | 0               | 0.0         | 0.0          | 0.0  |
| 23                                    |               | STERLITE-RAIGARH                      | D/C     | 0               | 29              | 0.0         | 2.7          | -2.7   |
| 24                                    |               | RANCHI-SIPAT                          | D/C     | 0               | 0               | 4.5         | 0.0          | 4.5  |
| 25                                    | 220 KV        | BUDHIPADAR-RAIGARH                    | S/C     | 0               | 114             | 0.0         | 1.3          | -1.3   |
| 26                                    |               | BUDHIPADAR-KORBA                      | D/C     | 0               | 0               | 2.8         | 0.0          | 2.8  |
| <b>ER-WR</b>                          |               |                                       |         |                 |                 | <b>25.0</b> | <b>4.0</b>   | <b>21.0</b>                                    |
| <b>Import/Export of ER (With SR)</b>  |               |                                       |         |                 |                 |             |              |  |
| 27                                    | 765 KV        | ANGUL-SRIKAKULAM                      | D/C     | 0.0             | 0.0             | 0.0         | 15.6         | -15.6  |
| 28                                    | HVDC          | JEYPORE-GAZUWAKA B/B                  | D/C     | 0.0             | 455.5           | 0.0         | 15.4         | -15.4  |
| 29                                    | LINK          | TALCHER-KOLAR BIPOLE                  | D/C     | 0.0             | 2505.4          | 0.0         | 45.4         | -45.4  |
| 30                                    | 400 KV        | TALCHER-I/C                           | D/C     | 0.0             | 1080.5          | 0.0         | 15.3         | -15.3  |
| 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>76.4</b>  | <b>-76.4</b>                                   |
| <b>Import/Export of ER (With NER)</b> |               |                                       |         |                 |                 |             |              |  |
| 32                                    | 400 KV        | BINAGURI-BONGAIGAON                   | D/C     | 0               | 1267            | 0.0         | 5.6          | -6   |
| 33                                    |               | ALIPURDUAR-BONGAIGAON                 | D/C     | 0               | 1035            | 0.0         | 5.8          | -6   |
| 34                                    | 220 KV        | ALIPURDUAR-SALAKATI                   | D/C     | 0               | 0               | 0.0         | 2.1          | -2   |
| <b>ER-NER</b>                         |               |                                       |         |                 |                 | <b>0.0</b>  | <b>13.5</b>  | <b>-13.5</b>                                   |
| <b>Import/Export of NER (With NR)</b> |               |                                       |         |                 |                 |             |              |  |
| 35                                    | HVDC          | BISWANATH CHARIALI-AGRA               | -       | 0               | 502             | 0.0         | 12.2         | -12.2  |
| <b>NER-NR</b>                         |               |                                       |         |                 |                 | <b>0.0</b>  | <b>12.2</b>  | <b>-12.2</b>                                   |
| <b>Import/Export of WR (With NR)</b>  |               |                                       |         |                 |                 |             |              |  |
| 36                                    | HVDC          | CHAMPA-KURUKSHETRA                    | D/C     | 0               | #VALUE!         | 0.0         | 29.7         | -29.7  |
| 37                                    |               | V'CHAL B/B                            | D/C     | 500             | 50              | 7.2         | 0.0          | 7.1  |
| 38                                    |               | APL -MHG                              | D/C     | 0               | 1260            | 0.0         | 17.1         | -17.1  |
| 39                                    | 765 KV        | GWALIOR-AGRA                          | D/C     | 0               | 2554            | 0.0         | 46.0         | -46.0  |
| 40                                    |               | PHAGI-GWALIOR                         | D/C     | 0               | 1282            | 0.0         | 24.1         | -24.1  |
| 41                                    | 400 KV        | ZERDA-KANKROLI                        | S/C     | 14              | 285             | 0.0         | 2.7          | -2.7   |
| 42                                    |               | ZERDA -BHINMAL                        | S/C     | 38              | 235             | 0.0         | 2.4          | -2.4   |
| 43                                    |               | V'CHAL -RIHAND                        | S/C     | 0               | 0               | 0.0         | 0.0          | 0.0  |
| 44                                    |               | RAPP-SHUJALPUR                        | D/C     | 0               | 304             | 0           | 3            | -3   |
| 45                                    |               | BADOD-KOTA                            | S/C     | 18              | 43              | 0.0         | 0.6          | -0.6   |
| 46                                    | 220 KV        | BADOD-MORAK                           | S/C     | 0               | 75              | 0.0         | 1.3          | -1.3   |
| 47                                    |               | MEHGAON-AURAIYA                       | S/C     | 50              | 0               | 0.7         | 0.0          | 0.7  |
| 48                                    |               | MALANPUR-AURAIYA                      | S/C     | 17              | 17              | 0.1         | 0.5          | -0.5   |
| 49                                    | 132KV         | GWALIOR-SAWAI MADHOPUR                | S/C     | 0               | 0               | 0.0         | 0.0          | 0.0  |
| <b>WR-NR</b>                          |               |                                       |         |                 |                 | <b>7.9</b>  | <b>127.3</b> | <b>-119.4</b>                                  |
| <b>Import/Export of WR (With SR)</b>  |               |                                       |         |                 |                 |             |              |  |
| 50                                    | HVDC          | BHADRAWATI B/B                        | -       | 0               | 1000            | 0.0         | 23.3         | -23.3  |
| 51                                    | LINK          | BARSUR-L.SILERU                       | -       | 0               | 0               | 0.0         | 0.0          | 0.0  |
| 52                                    | 765 KV        | SOLAPUR-RAICHUR                       | D/C     | 0               | 1675            | 0.0         | 20.8         | -20.8  |
| 53                                    |               | WARDHA-NIZAMABAD                      | D/C     | 0               | 1468            | 0.0         | 27.0         | -27.0  |
| 54                                    | 400 KV        | KOLHAPUR-KUDGI                        | D/C     | 297             | 38              | 2.9         | 0.0          | 2.9  |
| 55                                    | 220 KV        | KOLHAPUR-CHIKODI                      | D/C     | 0               | 0               | 0.0         | 0.0          | 0.0  |
| 56                                    |               | PONDA-AMBEWADI                        | S/C     | 0               | 0               | 0.0         | 0.0          | 0.0  |
| 57                                    |               | XELDEM-AMBEWADI                       | S/C     | 73              | 0               | 1.5         | 0.0          | 1.5  |
| <b>WR-SR</b>                          |               |                                       |         |                 |                 | <b>4.4</b>  | <b>71.1</b>  | <b>-66.7</b>                                   |
| <b>TRANSNATIONAL EXCHANGE</b>         |               |                                       |         |                 |                 |             |              |  |
| 58                                    |               | BHUTAN                                |         |                 |                 |             |              | <b>35.4</b>                                    |
| 59                                    |               | NEPAL                                 |         |                 |                 |             |              | <b>-7.4</b>                                    |
| 60                                    |               | BANGLADESH                            |         |                 |                 |             |              | <b>-14.4</b>                                   |