



**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: 24<sup>th</sup> Nov 2017

To,

1. कार्यकारी निदेशक, पू.क्षे.भा.प्रे.के., 14, गोल्फ क्लब रोड, कोलकाता - 700033  
Executive Director, ERLDC, 14 Golf Club Road, Tolleygunge, Kolkata, 700033
2. कार्यकारी निदेशक, ऊ.क्षे.भा.प्रे.के., 18/ ए, शहीद जीत सिंह सनसनवाल मार्ग, नई दिल्ली - 110016  
Executive Director, NRLDC, 18-A, Shaheed Jeet Singh Marg, Katwaria Sarai, New Delhi - 110016
3. कार्यकारी निदेशक, प.क्षे.भा.प्रे.के., एफ3-, एम आई डी सी क्षेत्र, अंधेरी, मुंबई -400093  
Executive Director, WRLDC, F-3, M.I.D.C. Area, Marol, Andheri (East), Mumbai-400093
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 23.11.2017.**

महोदय/Dear Sir,

आईईजीसी-2010 की धारा स.-5.5.1 के प्रावधान के अनुसार, दिनांक 23-नवम्बर - 2017 की अखिल भारतीय प्रणाली की दैनिक ग्रिड निष्पादन रिपोर्ट रांभांप्रेके 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 23<sup>rd</sup> November 2017, is available at the NLDC website.

धन्यवाद,



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

Report for previous day

Date of Reporting

24-Nov-17

A. Maximum Demand

|  | NR    | WR    | SR    | ER    | NER   | Total  |
|--|-------|-------|-------|-------|-------|--------|
| Demand Met during Evening Peak hrs(MW) (at 1900 hrs; from RLDCs) | 39611 | 47132 | 39156 | 16178 | 2331  | 144408 |
| Peak Shortage (MW)   | 504   | 0     | 0     | 42    | 53    | 599    |
| Energy Met (MU)  | 837   | 1082  | 893   | 317   | 41    | 3170   |
| Hydro Gen(MU)  | 100   | 20    | 56    | 38    | 15    | 228    |
| Wind Gen(MU)   | 2     | 31    | 27    | ----- | ----- | 59     |
| Solar Gen (MU)*  | 3.85  | 15.04 | 33.70 | 0.71  | 0.02  | 53     |
| Energy Shortage (MU)   | 12.6  | 0.0   | 0.0   | 0.1   | 0.5   | 13.2   |
| Maximum Demand Met during the day (MW) (from NLDC SCADA)         | 41838 | 48236 | 40313 | 16454 | 2294  | 146392 |

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 | 0.042 | 0.00  | 0.39      | 9.17      | 9.56  | 77.80      | 12.64   |

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            | 5057                                | 0                                   | 94.8            | 7.6                  | 0.2              | 109         | 0.0                  |
|               | Haryana           | 6009                                | 0                                   | 110.3           | 66.9                 | 1.2              | 237         | 0.0                  |
|               | Rajasthan         | 10525                               | 0                                   | 200.2           | 65.6                 | 1.1              | 233         | 0.0                  |
|               | Delhi             | 3373                                | 0                                   | 61.1            | 43.8                 | -0.9             | 190         | 0.0                  |
|               | UP                | 11967                               | 395                                 | 266.3           | 83.4                 | 0.0              | 628         | 2.5                  |
|               | Uttarakhand       | 1833                                | 0                                   | 33.1            | 17.7                 | 0.0              | 252         | 0.0                  |
|               | HP                | 1487                                | 0                                   | 26.1            | 18.5                 | 1.1              | 257         | 0.2                  |
|               | J&K               | 2015                                | 504                                 | 41.9            | 37.7                 | -0.5             | 207         | 9.9                  |
| WR            | Chhattisgarh      | 3301                                | 0                                   | 69.5            | 11.0                 | -0.9             | 95          | 0.0                  |
|               | Gujarat           | 14027                               | 0                                   | 306.1           | 86.1                 | 3.8              | 731         | 0.0                  |
|               | MP                | 9068                                | 0                                   | 230.9           | 158.0                | -1.1             | 291         | 0.0                  |
|               | Maharashtra       | 20775                               | 0                                   | 432.1           | 157.2                | 1.7              | 341         | 0.0                  |
|               | Goa               | 444                                 | 0                                   | 9.0             | 9.4                  | -0.3             | 32          | 0.0                  |
|               | DD                | 318                                 | 0                                   | 7.3             | 6.3                  | 1.0              | 95          | 0.0                  |
|               | DNH               | 744                                 | 0                                   | 17.3            | 16.3                 | 1.0              | 116         | 0.0                  |
|               | Essar steel       | 471                                 | 0                                   | 10.1            | 10.1                 | 0.0              | 212         | 0.0                  |
| SR            | Andhra Pradesh    | 8087                                | 0                                   | 171.0           | 65.6                 | 1.9              | 451         | 0.0                  |
|               | Telangana         | 6795                                | 0                                   | 145.6           | 60.4                 | -2.5             | 371         | 0.0                  |
|               | Karnataka         | 9291                                | 0                                   | 203.6           | 86.7                 | 3.7              | 492         | 0.0                  |
|               | Kerala            | 3595                                | 0                                   | 68.1            | 53.7                 | 1.0              | 268         | 0.0                  |
|               | Tamil Nadu        | 14217                               | 0                                   | 297.2           | 164.6                | 2.6              | 485         | 0.0                  |
| ER            | Pondy             | 344                                 | 0                                   | 7.1             | 7.5                  | -0.5             | 24          | 0.0                  |
|               | Bihar             | 3360                                | 0                                   | 60.9            | 53.7                 | 1.5              | 356         | 0.0                  |
|               | DVC               | 2734                                | 0                                   | 65.7            | -30.8                | -0.9             | 315         | 0.0                  |
|               | Jharkhand         | 1145                                | 0                                   | 22.8            | 15.2                 | -0.2             | 145         | 0.1                  |
|               | Odisha            | 3477                                | 0                                   | 65.0            | 35.0                 | 2.2              | 385         | 0.0                  |
| NER           | West Bengal       | 6269                                | 0                                   | 100.8           | 18.5                 | 1.2              | 402         | 0.0                  |
|               | Sikkim            | 103                                 | 0                                   | 1.9             | 1.7                  | 0.1              | 20          | 0.0                  |
|               | Arunachal Pradesh | 106                                 | 8                                   | 2.3             | 1.8                  | 0.5              | 43          | 0.0                  |
|               | Assam             | 1449                                | 7                                   | 23.8            | 17.8                 | 2.2              | 268         | 0.3                  |
|               | Manipur           | 162                                 | 10                                  | 2.3             | 2.5                  | -0.2             | 35          | 0.0                  |
|               | Meghalaya         | 298                                 | 0                                   | 5.5             | 3.0                  | -0.1             | 40          | 0.0                  |
| NER           | Mizoram           | 83                                  | 6                                   | 1.5             | 0.7                  | 0.7              | 45          | 0.0                  |
|               | Nagaland          | 103                                 | 6                                   | 2.0             | 1.5                  | 0.0              | 28          | 0.0                  |
| NER           | Tripura           | 210                                 | 3                                   | 3.1             | 1.7                  | -0.3             | 57          | 0.0                  |

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

|               | Bhutan | Nepal  | Bangladesh |
|---------------|--------|--------|------------|
| Actual(MU)    | 10.5   | -4.7   | -12.0      |
| Day peak (MW) | 339.3  | -289.5 | -604.0     |

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

|              | NR    | WR     | SR    | ER    | NER  | TOTAL |
|--------------|-------|--------|-------|-------|------|-------|
| Schedule(MU) | 143.5 | -154.5 | 93.8  | -83.4 | -2.1 | -2.8  |
| Actual(MU)   | 136.4 | -155.8 | 101.0 | -76.0 | -0.4 | 5.2   |
| O/D/U/D(MU)  | -7.1  | -1.3   | 7.2   | 7.4   | 1.7  | 8.0   |

F. Generation Outage(MW)

|                | NR    | WR    | SR    | ER   | NER | Total |
|----------------|-------|-------|-------|------|-----|-------|
| Central Sector | 5545  | 15259 | 2310  | 2205 | 415 | 25733 |
| State Sector   | 9600  | 18909 | 9152  | 5880 | 50  | 43591 |
| Total          | 15145 | 34168 | 11462 | 8085 | 464 | 69324 |

G. Sourcewise generation (MU)

|                                     | NR  | WR   | SR  | ER  | NER | Total |
|-------------------------------------|-----|------|-----|-----|-----|-------|
| Thermal (Coal & Lignite)            | 518 | 1133 | 560 | 379 | 0   | 2590  |
| Hydro                               | 100 | 19   | 56  | 38  | 15  | 227   |
| Nuclear                             | 34  | 27   | 64  | 0   | 0   | 124   |
| Gas, Naptha & Diesel                | 62  | 47   | 17  | 0   | 24  | 150   |
| RES (Wind, Solar, Biomass & Others) | 8   | 46   | 103 | 1   | 0   | 158   |
| Total                               | 722 | 1272 | 800 | 417 | 39  | 3250  |

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

सचिव(ऊर्जा)/संयुक्त सचिव(पारेषण)/(ओ एम)/निदेशक(ओ एम)/मुख्य अभियंता-के०वि०प्रा०(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 : 24-Nov-17                  |
|---------------------------------------|---------------|---------------------------------------|---------|-----------------|-----------------|-------------|-------------|--|
| 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               | 191             | 0.0         | 3.3         | -3.3   |
| 2                                     |               | SASARAM-FATEHPUR                      | S/C     | 0               | 131             | 0.5         | 0.0         | 0.5  |
| 3                                     |               | GAYA-BALIA                            | S/C     | 0               | 237             | 0.0         | 3.9         | -3.9   |
| 4                                     | HVDC          | ALIPURDUAR-AGRA                       | -       | 0               | 165             | 0.0         | 7.3         | -7.3   |
| 5                                     |               | PUSAULI B/B                           | S/C     | 0               | 248             | 0.0         | 6.1         | -6.1   |
| 6                                     | 400 KV        | PUSAULI-VARANASI                      | S/C     | 0               | 201             | 0.0         | 0.0         | 0.0  |
| 7                                     |               | PUSAULI-ALLAHABAD                     | S/C     | 0               | 127             | 0.0         | 0.0         | 0.0  |
| 8                                     |               | MUZAFFARPUR-GORAKHPUR                 | D/C     | 0               | 554             | 0.0         | 6.9         | -6.9   |
| 9                                     |               | PATNA-BALIA                           | Q/C     | 0               | 1070            | 0.0         | 15.6        | -15.6  |
| 10                                    |               | BIHARSHARIFF-BALIA                    | D/C     | 0               | 165             | 0.0         | 2.4         | -2.4   |
| 11                                    |               | MOTIHARI-GORAKHPUR                    | D/C     | 0               | 0               | 3.6         | 0.0         | 3.6  |
| 12                                    |               | BIHARSHARIFF-VARANASI                 | D/C     | 0               | 271             | 0.6         | 0.0         | 0.6  |
| 13                                    | 220 KV        | PUSAULI-SAHUPURI                      | S/C     | 0               | 107             | 0.0         | 2.0         | -2.0   |
| 14                                    | 132 KV        | SONE NAGAR-RIHAND                     | S/C     | 0               | 0               | 0.0         | 0.0         | 0.0  |
| 15                                    |               | GARWAH-RIHAND                         | S/C     | 0               | 0               | 0.0         | 0.0         | 0.0  |
| 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>4.8</b>  | <b>47.5</b> | <b>-42.8</b>                                   |
| <b>Import/Export of ER (With WR)</b>  |               |                                       |         |                 |                 |             |             |  |
| 18                                    | 765 KV        | JHARSUGUDA-DHARAMJAIGARH S/C          | D/C     | 0               | 0               | 12.7        | 0.0         | 12.7   |
| 19                                    |               | NEW RANCHI-DHARAMJAIGARH              | D/C     | 0               | 322             | 1.3         | 0.0         | 1.3  |
| 20                                    | 400 KV        | ROURKELA - RAIGARH ( SEL LILO BYPASS) | S/C     | 0               | 23              | 3.0         | 0.0         | 3.0  |
| 21                                    |               | JHARSUGUDA-RAIGARH                    | S/C     | 0               | 0               | 2.0         | 0.0         | 2.0  |
| 22                                    |               | IBEUL-RAIGARH                         | S/C     | 0               | 0               | 3.0         | 0.0         | 3.0  |
| 23                                    |               | STERLITE-RAIGARH                      | D/C     | 0               | 0               | 0.0         | 0.0         | 0.0  |
| 24                                    |               | RANCHI-SIPAT                          | D/C     | 0               | 41              | 0.4         | 0.0         | 0.4  |
| 25                                    | 220 KV        | BUDHIPADAR-RAIGARH                    | S/C     | 0               | 28              | 1.0         | 0.0         | 1.0  |
| 26                                    |               | BUDHIPADAR-KORBA                      | D/C     | 0               | 0               | 2.1         | 0.0         | 2.1  |
| <b>ER-WR</b>                          |               |                                       |         |                 |                 | <b>25.5</b> | <b>0.0</b>  | <b>25.5</b>                                    |
| <b>Import/Export of ER (With SR)</b>  |               |                                       |         |                 |                 |             |             |  |
| 27                                    | 765 KV        | ANGUL-SRIKAKULAM                      | D/C     | 0.0             | 0.0             | 0.0         | 20.5        | -20.5  |
| 28                                    | HVDC          | JEYPORE-GAZUWAKA B/B                  | D/C     | 0.0             | 319.8           | 0.0         | 14.5        | -14.5  |
| 29                                    | LINK          | TALCHER-KOLAR BIPOLE                  | D/C     | 0.0             | 1847.7          | 0.0         | 51.0        | -51.0  |
| 30                                    | 400 KV        | TALCHER-I/C                           | D/C     | 0.0             | 1133.5          | 0.0         | 14.2        | -14.2  |
| 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>86.1</b> | <b>-86.1</b>                                   |
| <b>Import/Export of ER (With NER)</b> |               |                                       |         |                 |                 |             |             |  |
| 32                                    | 400 KV        | BINAGURI-BONGAIGAON                   | D/C     | 0               | 1474            | 0.0         | 7.6         | -8   |
| 33                                    |               | ALIPURDUAR-BONGAIGAON                 | D/C     | 0               | 1192            | 0.0         | 6.3         | -6   |
| 34                                    | 220 KV        | ALIPURDUAR-SALAKATI                   | D/C     | 0               | 0               | 0.0         | 0.0         | 0  |
| <b>ER-NER</b>                         |               |                                       |         |                 |                 | <b>0.0</b>  | <b>13.9</b> | <b>-13.9</b>                                   |
| <b>Import/Export of NER (With NR)</b> |               |                                       |         |                 |                 |             |             |  |
| 35                                    | HVDC          | BISWANATH CHARIALI-AGRA               | -       | 0               | 701             | 0.0         | 14.7        | -14.7  |
| <b>NER-NR</b>                         |               |                                       |         |                 |                 | <b>0.0</b>  | <b>14.7</b> | <b>-14.7</b>                                   |
| <b>Import/Export of WR (With NR)</b>  |               |                                       |         |                 |                 |             |             |  |
| 36                                    | HVDC          | CHAMPA-KURUKSHETRA                    | D/C     | 0               | 500             | 0.0         | 11.9        | -11.9  |
| 37                                    |               | V'CHAL B/B                            | D/C     | 500             | 0               | 11.0        | 0.0         | 11.0   |
| 38                                    |               | APL -MHG                              | D/C     | 0               | 708             | 0.0         | 17.0        | -17.0  |
| 39                                    | 765 KV        | GWALIOR-AGRA                          | D/C     | 0               | 1962            | 0.0         | 41.3        | -41.3  |
| 40                                    |               | PHAGI-GWALIOR                         | D/C     | 0               | 1098            | 0.0         | 20.4        | -20.4  |
| 41                                    | 400 KV        | ZERDA-KANKROLI                        | S/C     | 164             | 81              | 1.5         | 0.0         | 1.5  |
| 42                                    |               | ZERDA -BHINMAL                        | S/C     | 65              | 280             | 0.0         | 1.5         | -1.5   |
| 43                                    |               | V'CHAL -RIHAND                        | S/C     | 0               | 0               | 0.0         | 0.0         | 0.0  |
| 44                                    |               | RAPP-SHUJALPUR                        | D/C     | 0               | 393             | 0           | 2           | -2   |
| 45                                    | 220 KV        | BADOD-KOTA                            | S/C     | 148             | 0               | 1.7         | 0.0         | 1.7  |
| 46                                    |               | BADOD-MORAK                           | S/C     | 79              | 23              | 0.4         | 0.1         | 0.3  |
| 47                                    |               | MEHGAON-AURAIYA                       | S/C     | 82              | 0               | 1.4         | 0.0         | 1.4  |
| 48                                    |               | MALANPUR-AURAIYA                      | S/C     | 45              | 0               | 0.4         | 0.0         | 0.4  |
| 49                                    | 132KV         | GWALIOR-SAWAI MADHOPUR                | S/C     | 0               | 0               | 0.0         | 0.0         | 0.0  |
| <b>WR-NR</b>                          |               |                                       |         |                 |                 | <b>16.4</b> | <b>94.3</b> | <b>-77.9</b>                                   |
| <b>Import/Export of WR (With SR)</b>  |               |                                       |         |                 |                 |             |             |  |
| 50                                    | HVDC          | BHADRAWATI B/B                        | -       | 0               | 500             | 0.0         | 12.0        | -12.0  |
| 51                                    | LINK          | BARSUR-L.SILERU                       | -       | 0               | 0               | 0.0         | 0.0         | 0.0  |
| 52                                    | 765 KV        | SOLAPUR-RAICHUR                       | D/C     | 0               | 1214            | 0.0         | 16.8        | -16.8  |
| 53                                    |               | WARDHA-NIZAMABAD                      | D/C     | 0               | 1966            | 0.0         | 32.4        | -32.4  |
| 54                                    | 400 KV        | KOLHAPUR-KUDGI                        | D/C     | 418             | 0               | 4.9         | 0.0         | 4.9  |
| 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               | 2.0         | 0.0         | 2.0  |
| <b>WR-SR</b>                          |               |                                       |         |                 |                 | <b>6.9</b>  | <b>61.2</b> | <b>-54.3</b>                                   |
| <b>TRANSNATIONAL EXCHANGE</b>         |               |                                       |         |                 |                 |             |             |  |
| 58                                    |               | BHUTAN                                |         |                 |                 |             |             | <b>10.5</b>                                    |
| 59                                    |               | NEPAL                                 |         |                 |                 |             |             | <b>-4.7</b>                                    |
| 60                                    |               | BANGLADESH                            |         |                 |                 |             |             | <b>-12.0</b>                                   |