



**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: 30<sup>th</sup> Dec 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 29.12.2017.**

महोदय/Dear Sir,

आई०ई०जी०सी०-2010 की धारा स.-5.5.1 के प्रावधान के अनुसार, दिनांक 29-दिसम्बर - 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 29<sup>th</sup> December 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

30-Dec-17

**A. Maximum Demand**

|  | NR    | WR    | SR    | ER    | NER   | Total  |
|--|-------|-------|-------|-------|-------|--------|
| Demand Met during Evening Peak hrs(MW) (at 1900 hrs; from RLDCs) | 43836 | 45141 | 39501 | 17349 | 2400  | 148226 |
| Peak Shortage (MW)   | 994   | 0     | 50    | 0     | 60    | 1104   |
| Energy Met (MU)  | 911   | 1045  | 912   | 322   | 42    | 3232   |
| Hydro Gen(MU)  | 114   | 21    | 52    | 28    | 10    | 225    |
| Wind Gen(MU)   | 18    | 35    | 42    | ----- | ----- | 95     |
| Solar Gen (MU)*  | 2.84  | 16.66 | 39.09 | 0.66  | 0.02  | 59     |
| Energy Shortage (MU)   | 11.9  | 0.0   | 0.6   | 0.0   | 0.4   | 12.9   |
| Maximum Demand Met during the day (MW) (from NLDC SCADA)         | 44876 | 50789 | 42478 | 17591 | 2325  | 151567 |

**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 | 0.039 | 0.00  | 0.00      | 8.60      | 8.60  | 80.23      | 11.17   |

**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            | 5577                                | 0                                   | 107.6           | 38.2                 | -0.1             | 165         | 0.0                  |
|              | Haryana           | 6790                                | 0                                   | 124.1           | 61.7                 | 0.6              | 145         | 0.0                  |
|              | Rajasthan         | 11000                               | 0                                   | 212.4           | 63.5                 | 0.9              | 314         | 0.8                  |
|              | Delhi             | 3971                                | 0                                   | 65.8            | 53.0                 | -0.6             | 228         | 0.0                  |
|              | UP                | 14013                               | 380                                 | 287.9           | 86.5                 | 1.7              | 901         | 0.3                  |
|              | Uttarakhand       | 1968                                | 0                                   | 36.2            | 23.6                 | -0.6             | 121         | 0.0                  |
|              | HP                | 1560                                | 0                                   | 27.8            | 22.0                 | 1.0              | 130         | 0.0                  |
|              | J&K               | 2128                                | 532                                 | 45.5            | 41.7                 | -1.0             | 47          | 10.7                 |
| WR           | Chandigarh        | 215                                 | 0                                   | 3.5             | 3.7                  | -0.2             | 11          | 0.0                  |
|              | Chhattisgarh      | 3394                                | 0                                   | 73.8            | 9.0                  | -0.5             | 477         | 0.0                  |
|              | Gujarat           | 13604                               | 0                                   | 296.4           | 82.9                 | -2.5             | 568         | 0.0                  |
|              | MP                | 12278                               | 0                                   | 229.7           | 149.0                | -1.3             | 552         | 0.0                  |
|              | Maharashtra       | 20006                               | 0                                   | 403.6           | 120.9                | -1.0             | 377         | 0.0                  |
|              | Goa               | 401                                 | 0                                   | 8.4             | 8.8                  | -0.9             | 13          | 0.0                  |
|              | DD                | 317                                 | 0                                   | 7.1             | 6.9                  | 0.2              | 61          | 0.0                  |
|              | DNH               | 743                                 | 0                                   | 17.4            | 16.8                 | 0.7              | 55          | 0.0                  |
| SR           | Essar steel       | 428                                 | 0                                   | 8.9             | 8.2                  | 0.6              | 168         | 0.0                  |
|              | Andhra Pradesh    | 7997                                | 0                                   | 163.2           | 53.6                 | 0.5              | 406         | 0.1                  |
|              | Telangana         | 8977                                | 0                                   | 179.6           | 88.2                 | 0.6              | 701         | 0.1                  |
|              | Karnataka         | 9979                                | 0                                   | 205.7           | 87.5                 | 2.5              | 499         | 0.1                  |
|              | Kerala            | 3331                                | 0                                   | 63.8            | 53.2                 | 0.4              | 223         | 0.1                  |
|              | Tamil Nadu        | 13787                               | 0                                   | 293.7           | 145.5                | 3.9              | 623         | 0.2                  |
| ER           | Pondy             | 391                                 | 0                                   | 6.3             | 7.0                  | -0.7             | 29          | 0.0                  |
|              | Bihar             | 3881                                | 0                                   | 65.2            | 56.9                 | -0.1             | 135         | 0.0                  |
|              | DVC               | 3255                                | 0                                   | 67.5            | -33.8                | -1.1             | 148         | 0.0                  |
|              | Jharkhand         | 987                                 | 0                                   | 24.0            | 13.7                 | -0.7             | 65          | 0.0                  |
|              | Odisha            | 4163                                | 0                                   | 75.6            | 37.8                 | 3.5              | 330         | 0.0                  |
|              | West Bengal       | 5672                                | 0                                   | 88.8            | 9.0                  | 1.0              | 195         | 0.0                  |
| NER          | Sikkim            | 110                                 | 0                                   | 1.5             | 1.6                  | -0.1             | 0           | 0.0                  |
|              | Arunachal Pradesh | 120                                 | 3                                   | 2.2             | 1.9                  | 0.2              | 31          | 0.0                  |
|              | Assam             | 1409                                | 6                                   | 22.7            | 19.1                 | 0.4              | 173         | 0.3                  |
|              | Manipur           | 168                                 | 5                                   | 2.7             | 2.9                  | -0.3             | 21          | 0.0                  |
|              | Meghalaya         | 296                                 | 11                                  | 6.3             | 3.7                  | -0.1             | 16          | 0.0                  |
|              | Mizoram           | 89                                  | 3                                   | 1.8             | 1.3                  | -0.2             | 20          | 0.0                  |
| NER          | Nagaland          | 130                                 | 2                                   | 2.4             | 2.1                  | 0.1              | 60          | 0.0                  |
|              | Tripura           | 214                                 | 1                                   | 3.5             | 3.4                  | 0.3              | 59          | 0.0                  |

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

|               | Bhutan | Nepal  | Bangladesh |
|---------------|--------|--------|------------|
| Actual(MU)    | 3.3    | -9.1   | -9.1       |
| Day peak (MW) | 170.7  | -506.3 | -610.7     |

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

|              | NR    | WR     | SR    | ER    | NER  | TOTAL |
|--------------|-------|--------|-------|-------|------|-------|
| Schedule(MU) | 168.4 | -201.3 | 111.0 | -81.2 | 3.6  | 0.4   |
| Actual(MU)   | 173.1 | -209.4 | 111.6 | -74.5 | 2.8  | 3.7   |
| O/D/U/D(MU)  | 4.7   | -8.0   | 0.7   | 6.7   | -0.8 | 3.2   |

**F. Generation Outage(MW)**

|                | NR    | WR    | SR    | ER   | NER | Total |
|----------------|-------|-------|-------|------|-----|-------|
| Central Sector | 4331  | 13601 | 6112  | 1720 | 232 | 25996 |
| State Sector   | 6970  | 17320 | 7010  | 5460 | 50  | 36810 |
| Total          | 11301 | 30921 | 13122 | 7180 | 281 | 62806 |

**G. Sourcewise generation (MU)**

|                                     | NR  | WR   | SR  | ER  | NER | Total |
|-------------------------------------|-----|------|-----|-----|-----|-------|
| Thermal (Coal & Lignite)            | 570 | 1140 | 542 | 388 | 8   | 2649  |
| Hydro                               | 114 | 20   | 52  | 28  | 10  | 224   |
| Nuclear                             | 29  | 24   | 69  | 0   | 0   | 122   |
| Gas, Naptha & Diesel                | 21  | 51   | 18  | 0   | 23  | 113   |
| RES (Wind, Solar, Biomass & Others) | 44  | 52   | 126 | 2   | 0   | 224   |
| Total                               | 777 | 1286 | 808 | 418 | 42  | 3331  |

\*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(मि०प्र०)/  
मुख्य कार्यपालक अधिकारी(पोसोको)/सभी राज्यों के मुख्य सचिव/ऊर्जा सचिव

महाप्रबंधक (रा० भा० प्रे० के०)

| INTER-REGIONAL EXCHANGES              |               |                                       |         |                 |                 |             |              | Date of Reporting :                            | 30-Dec-17 |
|---------------------------------------|---------------|---------------------------------------|---------|-----------------|-----------------|-------------|--------------|--|-----------|
| SI 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               | 268             | 0.0         | 6.8          | -6.8   |           |
| 2                                     |               | SASARAM-FATEHPUR                      | S/C     | 0               | 85              | 0.2         | 0.0          | 0.2  |           |
| 3                                     |               | GAYA-BALIA                            | S/C     | 0               | 499             | 0.0         | 6.9          | -6.9   |           |
| 4                                     | HVDC          | ALIPURDUAR-AGRA                       | -       | 0               | 0               | 0.0         | 2.5          | -2.5   |           |
| 5                                     |               | PUSAULI B/B                           | S/C     | 0               | 247             | 0.0         | 1.1          | -1.1   |           |
| 6                                     | 400 KV        | PUSAULI-VARANASI                      | S/C     | 0               | 251             | 0.0         | 0.0          | 0.0  |           |
| 7                                     |               | PUSAULI -ALLAHABAD                    | S/C     | 0               | 82              | 0.0         | 0.0          | 0.0  |           |
| 8                                     |               | MUZAFFARPUR-GORAKHPUR                 | D/C     | 0               | 689             | 0.0         | 8.7          | -8.7   |           |
| 9                                     |               | PATNA-BALIA                           | Q/C     | 0               | 1198            | 0.0         | 20.5         | -20.5  |           |
| 10                                    |               | BIHARSHARIFF-BALIA                    | D/C     | 0               | 388             | 0.0         | 5.3          | -5.3   |           |
| 11                                    |               | MOTHARI-GORAKHPUR                     | D/C     | 0               | 0               | 4.5         | 0.0          | 4.5  |           |
| 12                                    |               | BIHARSHARIFF-VARANASI                 | D/C     | 0               | 387             | 0.0         | 1.5          | -1.5   |           |
| 13                                    | 220 KV        | PUSAULI-SAHUPURI                      | S/C     | 0               | 116             | 0.0         | 0.4          | -0.4   |           |
| 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>5.3</b>  | <b>53.6</b>  | <b>-48.3</b>                                   |           |
| <b>Import/Export of ER (With WR)</b>  |               |                                       |         |                 |                 |             |              |  |           |
| 18                                    | 765 KV        | JHARSUGUDA-DHARAMJAIGARH S/C          | D/C     | 0               | 0               | 18.5        | 0.0          | 18.5   |           |
| 19                                    |               | NEW RANCHI-DHARAMJAIGARH              | D/C     | 0               | 583             | 0.0         | 1.1          | -1.1   |           |
| 20                                    | 400 KV        | ROURKELA - RAIGARH ( SEL LILO BYPASS) | S/C     | 0               | 95              | 1.2         | 0.0          | 1.2  |           |
| 21                                    |               | JHARSUGUDA-RAIGARH                    | S/C     | 0               | 0               | 2.7         | 0.0          | 2.7  |           |
| 22                                    |               | IBEUL-RAIGARH                         | S/C     | 0               | 0               | 2.6         | 0.0          | 2.6  |           |
| 23                                    |               | STERLITE-RAIGARH                      | D/C     | 0               | 0               | 0.0         | 0.0          | 0.0  |           |
| 24                                    |               | RANCHI-SIPAT                          | D/C     | 0               | 92              | 1.6         | 0.0          | 1.6  |           |
| 25                                    | 220 KV        | BUDHIPADAR-RAIGARH                    | S/C     | 0               | 83              | 0.1         | 0.0          | 0.1  |           |
| 26                                    |               | BUDHIPADAR-KORBA                      | D/C     | 0               | 0               | 2.8         | 0.0          | 2.8  |           |
| <b>ER-WR</b>                          |               |                                       |         |                 |                 | <b>29.5</b> | <b>1.1</b>   | <b>28.4</b>                                    |           |
| <b>Import/Export of ER (With SR)</b>  |               |                                       |         |                 |                 |             |              |  |           |
| 27                                    | 765 KV        | ANGUL-SRIKAKULAM                      | D/C     | 0.0             | 0.0             | 0.0         | 17.0         | -17.0  |           |
| 28                                    | HVDC          | JEYPORE-GAZUWAKA B/B                  | D/C     | 0.0             | 344.3           | 0.0         | 15.4         | -15.4  |           |
| 29                                    | LINK          | TALCHER-KOLAR BIPOLE                  | D/C     | 0.0             | 2268.0          | 0.0         | 45.5         | -45.5  |           |
| 30                                    | 400 KV        | TALCHER-I/C                           | D/C     | 0.0             | 1110.3          | 0.0         | 19.7         | -19.7  |           |
| 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>77.9</b>  | <b>-77.9</b>                                   |           |
| <b>Import/Export of ER (With NER)</b> |               |                                       |         |                 |                 |             |              |  |           |
| 32                                    | 400 KV        | BINAGURI-BONGAIGAON                   | D/C     | 0               | 1218            | 0.0         | 8.7          | -9   |           |
| 33                                    |               | ALIPURDUAR-BONGAIGAON                 | D/C     | 0               | 990             | 0.0         | 7.5          | -8   |           |
| 34                                    | 220 KV        | ALIPURDUAR-SALAKATI                   | D/C     | 0               | 0               | 0.0         | 2.8          | -3   |           |
| <b>ER-NER</b>                         |               |                                       |         |                 |                 | <b>0.0</b>  | <b>19.0</b>  | <b>-19.0</b>                                   |           |
| <b>Import/Export of NER (With NR)</b> |               |                                       |         |                 |                 |             |              |  |           |
| 35                                    | HVDC          | BISWANATH CHARIALI-AGRA               | -       | 0               | 701             | 0.0         | 15.4         | -15.4  |           |
| <b>NER-NR</b>                         |               |                                       |         |                 |                 | <b>0.0</b>  | <b>15.4</b>  | <b>-15.4</b>                                   |           |
| <b>Import/Export of WR (With NR)</b>  |               |                                       |         |                 |                 |             |              |  |           |
| 36                                    | HVDC          | CHAMPA-KURUKSHETRA                    | D/C     | 9               | 1126            | 0.0         | 33.0         | -33.0  |           |
| 37                                    |               | V'CHAL B/B                            | D/C     | 250             | 250             | 4.6         | 0.8          | 3.8  |           |
| 38                                    |               | APL -MHG                              | D/C     | 0               | 1435            | 0.0         | 35.8         | -35.8  |           |
| 39                                    | 765 KV        | GWALIOR-AGRA                          | D/C     | 0               | 2754            | 0.0         | 43.3         | -43.3  |           |
| 40                                    |               | PHAGI-GWALIOR                         | D/C     | 483             | 0               | 0.0         | 20.9         | -20.9  |           |
| 41                                    | 400 KV        | ZERDA-KANKROLI                        | S/C     | 242             | 0               | 3.4         | 0.0          | 3.4  |           |
| 42                                    |               | ZERDA -BHINMAL                        | S/C     | 254             | 65              | 2.1         | 0.0          | 2.1  |           |
| 43                                    |               | V'CHAL -RIHAND                        | S/C     | 485             | 0               | 22.1        | 0.0          | 22.1   |           |
| 44                                    |               | RAPP-SHUJALPUR                        | D/C     | 6               | 1431            | 0           | 1            | -1   |           |
| 45                                    | 220 KV        | BADOD-KOTA                            | S/C     | 96              | 0               | 1.5         | 0.0          | 1.5  |           |
| 46                                    |               | BADOD-MORAK                           | S/C     | 34              | 57              | 0.2         | 0.4          | -0.2   |           |
| 47                                    |               | MEHGAON-AURAIYA                       | S/C     | 102             | 0               | 1.7         | 0.0          | 1.7  |           |
| 48                                    |               | MALANPUR-AURAIYA                      | S/C     | 55              | 0               | 0.7         | 0.0          | 0.7  |           |
| 49                                    | 132KV         | GWALIOR-SAWAI MADHOPUR                | S/C     | 0               | 0               | 0.0         | 0.0          | 0.0  |           |
| <b>WR-NR</b>                          |               |                                       |         |                 |                 | <b>36.3</b> | <b>135.5</b> | <b>-99.3</b>                                   |           |
| <b>Import/Export of WR (With SR)</b>  |               |                                       |         |                 |                 |             |              |  |           |
| 50                                    | HVDC          | BHADRAWATI B/B                        | -       | 0               | 1000            | 0.0         | 20.5         | -20.5  |           |
| 51                                    | LINK          | BARSUR-L.SILERU                       | -       | 0               | 0               | 0.0         | 0.0          | 0.0  |           |
| 52                                    | 765 KV        | SOLAPUR-RAICHUR                       | D/C     | 0               | 1418            | 0.0         | 21.5         | -21.5  |           |
| 53                                    |               | WARDHA-NIZAMABAD                      | D/C     | 0               | 2079            | 0.0         | 39.6         | -39.6  |           |
| 54                                    | 400 KV        | KOLHAPUR-KUDGI                        | D/C     | 370             | 138             | 2.2         | 0.8          | 1.4  |           |
| 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               | 1.5         | 0.0          | 1.5  |           |
| <b>WR-SR</b>                          |               |                                       |         |                 |                 | <b>3.7</b>  | <b>82.4</b>  | <b>-78.7</b>                                   |           |
| <b>TRANSNATIONAL EXCHANGE</b>         |               |                                       |         |                 |                 |             |              |  |           |
| 58                                    |               | BHUTAN                                |         |                 |                 |             |              | 3.3  |           |
| 59                                    |               | NEPAL                                 |         |                 |                 |             |              | -9.1   |           |
| 60                                    |               | BANGLADESH                            |         |                 |                 |             |              | -9.1   |           |