



**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: 26<sup>th</sup> Feb 2019

To,

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

**Sub: Daily PSP Report for the date 25.02.2019.**

महोदय/Dear Sir,

आई०ई०जी०सी०-2010 की धारा स.-5.5.1 के प्रावधान के अनुसार, दिनांक 25-फरवरी-2019 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 25<sup>th</sup> February 2019, is available at the NLDC website.

धन्यवाद,

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

Report for previous day

Date of Reporting

26-Feb-19

**A. Maximum Demand**

|  | NR             | WR             | SR             | ER             | NER           | Total           |
|--|----------------|----------------|----------------|----------------|---------------|-----------------|
| Demand Met during Evening Peak hrs(MW) (at 1900 hrs; from RLDCs) | 42685          | 47731          | 44943          | 16814          | 2419          | 154592          |
| Peak Shortage (MW)   | 547            | 0              | 0              | 0              | 70            | 617             |
| Energy Met (MU)  | 889            | 1124           | 1044           | 340            | 42            | 3440            |
| Hydro Gen (MU)   | 152            | 24             | 82             | 28             | 3             | 290             |
| Wind Gen (MU)  | 8              | 46             | 26             | -----          | -----         | 80              |
| Solar Gen (MU)*  | 25.67          | 25.71          | 81.89          | 1.03           | 0.02          | 134             |
| Energy Shortage (MU)   | 11.2           | 0.0            | 0.0            | 0.0            | 0.6           | 11.8            |
| Maximum Demand Met during the day (MW) & time (from NLDC SCADA)  | 43983<br>18:56 | 54448<br>11:01 | 46425<br>11:09 | 18746<br>19:18 | 2380<br>18:20 | 159345<br>18:59 |

**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  | 0.21      | 2.35      | 2.56  | 63.75      | 33.69   |

**C. Power Supply Position in States**

| 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            | 5074                                | 0                                   | 101.8           | 40.1                 | -1.7             | 21          | 0.0                  |
|            | Haryana           | 5836                                | 0                                   | 117.4           | 87.7                 | 1.2              | 322         | 0.0                  |
|            | Rajasthan         | 11609                               | 0                                   | 232.4           | 70.0                 | 1.2              | 278         | 0.0                  |
|            | Delhi             | 3597                                | 0                                   | 61.4            | 58.1                 | -0.7             | 158         | 0.0                  |
|            | UP                | 14018                               | 0                                   | 261.4           | 107.7                | 0.1              | 401         | 0.0                  |
|            | Uttarakhand       | 1903                                | 0                                   | 35.9            | 19.8                 | 0.1              | 82          | 0.0                  |
|            | HP                | 1592                                | 0                                   | 28.6            | 19.5                 | 0.0              | 125         | 0.0                  |
|            | J&K               | 2188                                | 547                                 | 46.7            | 41.0                 | -2.3             | 105         | 11.1                 |
| Chandigarh | 208               | 0                                   | 3.3                                 | 3.7             | -0.4                 | 0                | 0.0         |                      |
| WR         | Chhattisgarh      | 3866                                | 0                                   | 82.4            | 33.3                 | -1.1             | 362         | 0.0                  |
|            | Gujarat           | 15051                               | 0                                   | 326.2           | 96.4                 | 2.8              | 452         | 0.0                  |
|            | MP                | 12072                               | 0                                   | 226.5           | 120.3                | -0.6             | 970         | 0.0                  |
|            | Maharashtra       | 20813                               | 0                                   | 439.4           | 131.3                | 1.5              | 554         | 0.0                  |
|            | Goa               | 532                                 | 0                                   | 10.9            | 9.9                  | 0.5              | 78          | 0.0                  |
|            | DD                | 300                                 | 0                                   | 6.7             | 6.7                  | 0.0              | 26          | 0.0                  |
|            | DNH               | 780                                 | 0                                   | 18.2            | 18.1                 | 0.2              | 72          | 0.0                  |
|            | Essar steel       | 625                                 | 0                                   | 13.9            | 14.6                 | -0.7             | 252         | 0.0                  |
| SR         | Andhra Pradesh    | 8780                                | 0                                   | 190.1           | 88.1                 | 1.1              | 646         | 0.0                  |
|            | Telangana         | 9916                                | 0                                   | 217.3           | 87.1                 | 0.8              | 392         | 0.0                  |
|            | Karnataka         | 11760                               | 0                                   | 235.1           | 81.0                 | 1.0              | 426         | 0.0                  |
|            | Kerala            | 3806                                | 0                                   | 75.2            | 57.3                 | 1.1              | 169         | 0.0                  |
|            | Tamil Nadu        | 15042                               | 0                                   | 318.5           | 167.4                | 0.2              | 505         | 0.0                  |
|            | Pondy             | 379                                 | 0                                   | 7.6             | 7.8                  | -0.2             | 28          | 0.0                  |
| ER         | Bihar             | 4173                                | 0                                   | 72.5            | 67.2                 | 0.0              | 460         | 0.0                  |
|            | DVC               | 3203                                | 0                                   | 61.3            | -48.5                | -0.1             | 396         | 0.0                  |
|            | Jharkhand         | 999                                 | 0                                   | 17.4            | 14.1                 | -3.2             | 169         | 0.0                  |
|            | Odisha            | 4303                                | 0                                   | 76.4            | 26.0                 | 0.1              | 267         | 0.0                  |
|            | West Bengal       | 6267                                | 0                                   | 111.8           | 16.8                 | -3.3             | 309         | 0.0                  |
|            | Sikkim            | 97                                  | 0                                   | 1.2             | 1.8                  | -0.6             | 18          | 0.0                  |
| NER        | Arunachal Pradesh | 132                                 | 3                                   | 1.9             | 2.5                  | -0.6             | 14          | 0.0                  |
|            | Assam             | 1408                                | 43                                  | 23.7            | 18.8                 | 0.8              | 108         | 0.5                  |
|            | Manipur           | 186                                 | 4                                   | 2.7             | 2.6                  | 0.1              | 29          | 0.0                  |
|            | Meghalaya         | 371                                 | 0                                   | 6.5             | 5.1                  | 0.0              | 35          | 0.0                  |
|            | Mizoram           | 93                                  | 1                                   | 1.9             | 1.5                  | 0.3              | 8           | 0.0                  |
|            | Nagaland          | 117                                 | 2                                   | 2.1             | 1.8                  | 0.2              | 29          | 0.0                  |
|            | Tripura           | 217                                 | 0                                   | 3.7             | 1.6                  | 0.2              | 40          | 0.0                  |

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

|               | Bhutan | Nepal  | Bangladesh |
|---------------|--------|--------|------------|
| Actual(MU)    | 2.0    | -6.5   | -19.1      |
| Day peak (MW) | 200.7  | -294.0 | -987.0     |

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

|              | NR    | WR     | SR    | ER    | NER | TOTAL |
|--------------|-------|--------|-------|-------|-----|-------|
| Schedule(MU) | 166.0 | -239.7 | 153.3 | -82.6 | 4.8 | 1.8   |
| Actual(MU)   | 168.0 | -249.5 | 159.1 | -82.9 | 4.8 | -0.5  |
| O/D/U/D(MU)  | 2.0   | -9.8   | 5.9   | -0.2  | 0.0 | -2.2  |

**F. Generation Outage(MW)**

|                | NR    | WR    | SR    | ER   | NER | Total |
|----------------|-------|-------|-------|------|-----|-------|
| Central Sector | 5001  | 12544 | 6862  | 1530 | 641 | 26578 |
| State Sector   | 12455 | 15077 | 7870  | 4365 | 50  | 39817 |
| Total          | 17456 | 27621 | 14732 | 5895 | 690 | 66394 |

**G. Sourcewise generation (MU)**

|                                     | NR  | WR   | SR  | ER  | NER | All India |
|-------------------------------------|-----|------|-----|-----|-----|-----------|
| Coal                                | 467 | 1185 | 554 | 441 | 8   | 2656      |
| Lignite                             | 20  | 19   | 51  | 0   | 0   | 90        |
| Hydro                               | 152 | 24   | 82  | 28  | 3   | 290       |
| Nuclear                             | 27  | 31   | 39  | 0   | 0   | 97        |
| Gas, Naptha & Diesel                | 19  | 38   | 18  | 0   | 29  | 105       |
| RES (Wind, Solar, Biomass & Others) | 65  | 77   | 145 | 1   | 0   | 288       |
| Total                               | 750 | 1374 | 891 | 470 | 41  | 3526      |

|   |       |      |       |      |      |       |
|---|-------|------|-------|------|------|-------|
| Share of RES in total generation (%)                                      | 8.65  | 5.63 | 16.28 | 0.23 | 0.05 | 8.18  |
| Share of Non-fossil fuel (Hydro, Nuclear and RES) in total generation (%) | 32.46 | 9.66 | 29.95 | 6.25 | 7.61 | 19.16 |

**H. Diversity Factor**

|                                   |       |
|-----------------------------------|-------|
| All India Demand Diversity Factor | 1.042 |
|-----------------------------------|-------|

Diversity factor = Sum of regional maximum demands / All India maximum demand

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

**INTER-REGIONAL EXCHANGES**

Date of Reporting : 26-Feb-19

Import=(+ve)  
/Export =(-ve)  
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                  | 1               | 402             | 0.0         | 6.0          | -6.0          |
| 2                                     |                | SASARAM-FATEHPUR             | S/C                  | 5               | 259             | 0.0         | 3.1          | -3.1          |
| 3                                     |                | GAYA-BALIA                   | S/C                  | 0               | 511             | 0.0         | 8.3          | -8.3          |
| 4                                     | HVDC           | ALIPURDUAR-AGRA              | -                    | 0               | 0               | 0.0         | 0.0          | 0.0           |
| 5                                     |                | PUSAULI B/B                  | S/C                  | 0               | 148             | 0.0         | 3.7          | -3.7          |
| 6                                     | 400 kV         | PUSAULI-VARANASI             | S/C                  | 0               | 131             | 0.0         | 2.4          | -2.4          |
| 7                                     |                | PUSAULI -ALLAHABAD           | S/C                  | 0               | 85              | 0.0         | 1.1          | -1.1          |
| 8                                     |                | MUZAFFARPUR-GORAKHPUR        | D/C                  | 0               | 589             | 0.0         | 8.4          | -8.4          |
| 9                                     |                | PATNA-BALIA                  | Q/C                  | 0               | 645             | 0.0         | 9.9          | -9.9          |
| 10                                    |                | BIHARSHARIFF-BALIA           | D/C                  | 0               | 402             | 0.0         | 7.5          | -7.5          |
| 11                                    |                | MOTIHARI-GORAKHPUR           | D/C                  | 0               | 222             | 0.0         | 4.3          | -4.3          |
| 12                                    |                | BIHARSHARIFF-VARANASI        | D/C                  | 115             | 173             | 0.0         | 1.6          | -1.6          |
| 13                                    | 220 kV         | PUSAULI-SAHUPURI             | S/C                  | 0               | 140             | 0.0         | 2.7          | -2.7          |
| 14                                    | 132 kV         | SONE NAGAR-RIHAND            | S/C                  | 0               | 0               | 0.0         | 0.0          | 0.0           |
| 15                                    |                | GARWAH-RIHAND                | S/C                  | 30              | 0               | 0.7         | 0.0          | 0.7           |
| 16                                    |                | KARMANASA-SAHUPURI           | S/C                  | 0               | 0               | 0.0         | 0.0          | 0.0           |
| 17                                    |                | KARMANASA-CHANDALI           | S/C                  | 1               | 0               | 0.0         | 0.0          | 0.0           |
| <b>ER-NR</b>                          |                |                              |                      |                 |                 | <b>0.7</b>  | <b>58.8</b>  | <b>-58.1</b>  |
| <b>Import/Export of ER (With WR)</b>  |                |                              |                      |                 |                 |             |              |               |
| 18                                    | 765 kV         | JHARSUGUDA-DHARAMJAIGARH S/C | D/C                  | 1719            | 0               | 27.0        | 0.0          | 27.0          |
| 19                                    |                | NEW RANCHI-DHARAMJAIGARH     | D/C                  | 315             | 295             | 0.0         | 0.7          | -0.7          |
| 20                                    | 400 kV         | JHARSUGUDA-RAIGARH           | Q/C                  | 66              | 298             | 0.0         | 2.6          | -2.6          |
| 21                                    |                | RANCHI-SIPAT                 | D/C                  | 178             | 57              | 1.1         | 0.0          | 1.1           |
| 22                                    | 220 kV         | BUDHIPADAR-RAIGARH           | S/C                  | 9               | 69              | 0.0         | 0.9          | -0.9          |
| 23                                    |                | BUDHIPADAR-KORBA             | D/C                  | 138             | 0               | 2.3         | 0.0          | 2.3           |
| <b>ER-WR</b>                          |                |                              |                      |                 |                 | <b>30.3</b> | <b>4.1</b>   | <b>26.2</b>   |
| <b>Import/Export of ER (With SR)</b>  |                |                              |                      |                 |                 |             |              |               |
| 24                                    | 765 kV         | ANGUL-SRIKAKULAM             | D/C                  | 0.0             | 2030.0          | 0.0         | 40.4         | -40.4         |
| 25                                    | HVDC           | JEYPORE-GAZUWAKA B/B         | D/C                  | 0.0             | 688.0           | 0.0         | 16.0         | -16.0         |
| 26                                    |                | LINK                         | TALCHER-KOLAR BIPOLE | D/C             | 0.0             | 2450.0      | 0.0          | 52.1          |
| 27                                    | 400 kV         | TALCHER-I/C                  | D/C                  | 0.0             | 491.0           | 0.0         | 7.4          | -7.4          |
| 28                                    | 220 kV         | BALIMELA-UPPER-SILERRU       | S/C                  | 1.0             | 0.0             | 0.0         | 0.0          | 0.0           |
| <b>ER-SR</b>                          |                |                              |                      |                 |                 | <b>0.0</b>  | <b>108.6</b> | <b>-108.6</b> |
| <b>Import/Export of ER (With NER)</b> |                |                              |                      |                 |                 |             |              |               |
| 29                                    | 400 kV         | BINAGURI-BONGAIGAON          | D/C                  | 296             | 28              | 3.4         | 0.0          | 3             |
| 30                                    |                | ALIPURDUAR-BONGAIGAON        | D/C                  | 403             | 0               | 5.8         | 0.0          | 6             |
| 31                                    | 220 kV         | ALIPURDUAR-SALAKATI          | D/C                  | 54              | 27              | 0.5         | 0.0          | 1             |
| <b>ER-NER</b>                         |                |                              |                      |                 |                 | <b>9.7</b>  | <b>0.0</b>   | <b>9.7</b>    |
| <b>Import/Export of NER (With NR)</b> |                |                              |                      |                 |                 |             |              |               |
| 32                                    | HVDC           | BISWANATH CHARIALI-AGRA      | -                    | 661             | 0               | 14.5        | 0.0          | 14.5          |
| <b>NER-NR</b>                         |                |                              |                      |                 |                 | <b>14.5</b> | <b>0.0</b>   | <b>14.5</b>   |
| <b>Import/Export of WR (With NR)</b>  |                |                              |                      |                 |                 |             |              |               |
| 33                                    | HVDC           | CHAMPA-KURUKSHETRA           | D/C                  | 0               | 1502            | 0.0         | 29.3         | -29.3         |
| 34                                    |                | V'CHAL B/B                   | D/C                  | 242             | 0               | 6.0         | 0.0          | 6.0           |
| 35                                    |                | APL -MHG                     | D/C                  | 0               | 1550            | 0.0         | 31.4         | -31.4         |
| 36                                    | 765 kV         | GWALIOR-AGRA                 | D/C                  | 0               | 2469            | 0.0         | 38.8         | -38.8         |
| 37                                    |                | PHAGI-GWALIOR                | D/C                  | 0               | 1116            | 0.0         | 17.0         | -17.0         |
| 38                                    |                | JABALPUR-ORAI                | D/C                  | 0               | 710             | 0.0         | 21.2         | -21.2         |
| 39                                    |                | GWALIOR-ORAI                 | S/C                  | 691             | 0               | 11.2        | 0.0          | 11.2          |
| 40                                    |                | SATNA-ORAI                   | S/C                  | 0               | 1339            | 0.0         | 26.4         | -26.4         |
| 41                                    |                | 400 kV                       | ZERDA-KANKROLI       | S/C             | 146             | 82          | 1.5          | 0.0           |
| 42                                    | ZERDA -BHINMAL |                              | S/C                  | 100             | 211             | 0.0         | 1.8          | -1.8          |
| 43                                    | V'CHAL -RIHAND |                              | S/C                  | 961             | 0               | 20.3        | 0.0          | 20.3          |
| 44                                    | RAPP-SHUJALPUR |                              | D/C                  | 117             | 227             | 0           | 1            | -1            |
| 45                                    | 220 kV         | BADOD-KOTA                   | S/C                  | 26              | 29              | 0.2         | 0.5          | -0.3          |
| 46                                    |                | BADOD-MORAK                  | S/C                  | 12              | 123             | 0.0         | 1.1          | -1.1          |
| 47                                    |                | MEHGAON-AURAIYA              | S/C                  | 124             | 0               | 1.3         | 0.0          | 1.3           |
| 48                                    |                | MALANPUR-AURAIYA             | S/C                  | 59              | 31              | 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>41.1</b> | <b>167.9</b> | <b>-126.8</b> |
| <b>Import/Export of WR (With SR)</b>  |                |                              |                      |                 |                 |             |              |               |
| 50                                    | HVDC           | BHADRAWATI B/B               | -                    | 0               | 995             | 0.0         | 21.4         | -21.4         |
| 51                                    | LINK           | BARSUR-L.SILERU              | -                    | 0               | 0               | 0.0         | 0.0          | 0.0           |
| 52                                    | 765 kV         | SOLAPUR-RAICHUR              | D/C                  | 0               | 2355            | 0.0         | 41.0         | -41.0         |
| 53                                    |                | WARDHA-NIZAMABAD             | D/C                  | 0               | 2444            | 0.0         | 43.6         | -43.6         |
| 54                                    | 400 kV         | KOLHAPUR-KUDGI               | D/C                  | 757             | 14              | 6.9         | 0.0          | 6.9           |
| 55                                    | 220 kV         | KOLHAPUR-CHIKODI             | D/C                  | 0               | 0               | 0.0         | 0.0          | 0.0           |
| 56                                    |                | PONDA-AMBEWADI               | S/C                  | 1               | 0               | 0.0         | 0.0          | 0.0           |
| 57                                    |                | XELDEM-AMBEWADI              | S/C                  | 0               | 70              | 1.2         | 0.0          | 1.2           |
| <b>WR-SR</b>                          |                |                              |                      |                 |                 | <b>8.0</b>  | <b>105.9</b> | <b>-97.9</b>  |
| <b>TRANSNATIONAL EXCHANGE</b>         |                |                              |                      |                 |                 |             |              |               |
| 58                                    |                | BHUTAN                       |                      |                 |                 |             |              | <b>2.0</b>    |
| 59                                    |                | NEPAL                        |                      |                 |                 |             |              | <b>-6.5</b>   |
| 60                                    |                | BANGLADESH                   |                      |                 |                 |             |              | <b>-19.1</b>  |