



**National Load Despatch Centre**  
राष्ट्रीय भार प्रेषण केंद्र  
**POWER SYSTEM OPERATION CORPORATION LIMITED**  
पाँवर 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> Mar 2018

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. 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. 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 29.03.2018.**

महोदय/Dear Sir,

आई०ई०जी०सी०-2010 की धारा स.-5.5.1 के प्रावधान के अनुसार, दिनांक 29-Mar-2018 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> Mar 2018, 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

30-Mar-18

A. Maximum Demand

|   | NR    | WR    | SR    | ER    | NER   | Total  |
|---|-------|-------|-------|-------|-------|--------|
| Demand Met during Evening Peak hrs(MW)<br>(at 1900 hrs; from RLDCs) | 41088 | 46237 | 45923 | 20666 | 2099  | 156012 |
| Peak Shortage (MW)  | 1105  | 34    | 0     | 0     | 313   | 1452   |
| Energy Met (MU)   | 907   | 1140  | 1080  | 431   | 36    | 3595   |
| Hydro Gen(MU)   | 100   | 26    | 78    | 41    | 7     | 251    |
| Wind Gen(MU)  | 5     | 33    | 38    | ----- | ----- | 77     |
| Solar Gen (MU)*   | 7.98  | 19.64 | 51.64 | 0.80  | 0.02  | 80     |
| Energy Shortage (MU)  | 13.2  | 0.0   | 0.0   | 0.0   | 2.4   | 15.6   |
| Maximum Demand Met during the day<br>(MW) (from NLDC SCADA)         | 43490 | 50361 | 47788 | 21556 | 2038  | 160385 |

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 | 0.077 | 0.00  | 0.79      | 27.95     | 28.74 | 67.55      | 3.72    |

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            | 5872                                | 0                                   | 126.0           | 34.2                 | -0.6             | 81          | 0.9                  |
|            | Haryana           | 6231                                | 144                                 | 121.1           | 42.7                 | 1.3              | 227         | 0.1                  |
|            | Rajasthan         | 8798                                | 0                                   | 177.1           | 51.1                 | 2.8              | 396         | 1.3                  |
|            | Delhi             | 3659                                | 0                                   | 74.5            | 59.5                 | -0.7             | 112         | 0.3                  |
|            | UP                | 14664                               | 555                                 | 300.6           | 103.7                | 4.0              | 900         | 0.4                  |
|            | Uttarakhand       | 1805                                | 0                                   | 35.9            | 26.9                 | 1.6              | 246         | 0.2                  |
|            | HP                | 1403                                | 0                                   | 26.5            | 19.6                 | 1.0              | 169         | 0.1                  |
|            | J&K               | 2215                                | 554                                 | 42.0            | 37.3                 | -2.0             | 336         | 9.9                  |
|            | Chandigarh        | 176                                 | 0                                   | 3.3             | 3.0                  | 0.3              | 44          | 0.0                  |
| WR         | Chhattisgarh      | 3856                                | 0                                   | 89.6            | 16.4                 | -0.7             | 76          | 0.0                  |
|            | Gujarat           | 15512                               | 0                                   | 342.8           | 180.3                | 3.3              | 595         | 0.0                  |
|            | MP                | 8693                                | 0                                   | 177.7           | 87.0                 | -2.9             | 193         | 0.0                  |
|            | Maharashtra       | 22801                               | 0                                   | 483.1           | 153.1                | 3.9              | 410         | 0.0                  |
|            | Goa               | 519                                 | 0                                   | 10.5            | 10.5                 | -0.7             | 12          | 0.0                  |
|            | DD                | 325                                 | 0                                   | 7.4             | 6.6                  | 0.9              | 98          | 0.0                  |
|            | DNH               | 766                                 | 0                                   | 18.0            | 16.8                 | 1.2              | 79          | 0.0                  |
|            | Essar steel       | 513                                 | 0                                   | 10.7            | 10.0                 | 0.7              | 189         | 0.0                  |
|            | SR                | Andhra Pradesh                      | 8907                                | 0               | 185.8                | 56.3             | 0.2         | 368                  |
| Telangana  |                   | 9933                                | 0                                   | 222.5           | 107.6                | -0.2             | 245         | 0.0                  |
| Karnataka  |                   | 10620                               | 0                                   | 238.8           | 80.2                 | -1.8             | 359         | 0.0                  |
| Kerala     |                   | 3790                                | 0                                   | 79.3            | 49.2                 | 1.5              | 357         | 0.0                  |
| Tamil Nadu |                   | 15193                               | 0                                   | 346.4           | 169.9                | 0.5              | 381         | 0.0                  |
| Pondy      |                   | 360                                 | 0                                   | 7.7             | 8.1                  | -0.4             | 32          | 0.0                  |
| ER         | Bihar             | 4492                                | 0                                   | 82.9            | 72.7                 | 0.6              | 220         | 0.0                  |
|            | DVC               | 3038                                | 0                                   | 69.7            | -60.1                | -0.4             | 220         | 0.0                  |
|            | Jharkhand         | 1193                                | 0                                   | 24.2            | 13.6                 | 2.0              | 200         | 0.0                  |
|            | Odisha            | 4602                                | 0                                   | 90.5            | 36.7                 | 0.5              | 225         | 0.0                  |
|            | West Bengal       | 8521                                | 0                                   | 162.4           | 41.6                 | 2.2              | 225         | 0.0                  |
|            | Sikkim            | 100                                 | 0                                   | 1.4             | 1.3                  | 0.1              | 15          | 0.0                  |
| NER        | Arunachal Pradesh | 112                                 | 3                                   | 1.6             | 1.6                  | 0.0              | 65          | 0.0                  |
|            | Assam             | 1201                                | 249                                 | 19.8            | 17.0                 | 0.9              | 95          | 2.3                  |
|            | Manipur           | 166                                 | 6                                   | 2.4             | 2.4                  | 0.1              | 24          | 0.0                  |
|            | Meghalaya         | 210                                 | 31                                  | 4.7             | 3.4                  | 0.1              | 45          | 0.0                  |
|            | Mizoram           | 81                                  | 4                                   | 1.6             | 0.9                  | 0.6              | 10          | 0.0                  |
|            | Nagaland          | 122                                 | 2                                   | 2.0             | 1.6                  | 0.4              | 30          | 0.0                  |
|            | Tripura           | 252                                 | 6                                   | 4.1             | 3.0                  | 0.8              | 50          | 0.0                  |

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

|               | Bhutan | Nepal  | Bangladesh |
|---------------|--------|--------|------------|
| Actual(MU)    | 3.4    | -10.8  | -14.5      |
| Day peak (MW) | 129.7  | -287.5 | -645.0     |

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

|              | NR    | WR     | SR   | ER    | NER | TOTAL |
|--------------|-------|--------|------|-------|-----|-------|
| Schedule(MU) | 149.1 | -178.4 | 97.6 | -70.6 | 2.9 | 0.6   |
| Actual(MU)   | 146.0 | -188.5 | 89.8 | -55.6 | 5.8 | -2.5  |
| OD/UD(MU)    | -3.1  | -10.1  | -7.8 | 15.1  | 2.9 | -3.1  |

F. Generation Outage(MW)

|                | NR    | WR    | SR   | ER   | NER | Total |
|----------------|-------|-------|------|------|-----|-------|
| Central Sector | 5770  | 13011 | 5902 | 2005 | 495 | 27183 |
| State Sector   | 9240  | 15207 | 3650 | 3715 | 50  | 31862 |
| Total          | 15010 | 28218 | 9552 | 5720 | 544 | 59044 |

G. Sourcewise generation (MU)

|                                     | NR  | WR   | SR   | ER  | NER | Total |
|-------------------------------------|-----|------|------|-----|-----|-------|
| Thermal (Coal & Lignite)            | 578 | 1186 | 723  | 472 | 6   | 2964  |
| Hydro                               | 100 | 26   | 78   | 41  | 7   | 251   |
| Nuclear                             | 28  | 24   | 47   | 0   | 0   | 98    |
| Gas, Naptha & Diesel                | 29  | 49   | 22   | 0   | 22  | 121   |
| RES (Wind, Solar, Biomass & Others) | 42  | 53   | 132  | 2   | 0   | 229   |
| Total                               | 776 | 1337 | 1002 | 514 | 35  | 3664  |

\*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(ग्रि०प्रा०)/मुख्य कार्यपालक अधिकारी(पोसोको)/सभी राज्यों के मुख्य सचिव/ऊर्जा सचिव

**INTER-REGIONAL EXCHANGES**

Date of Reporting : 30-Mar-18

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     | 0               | 335             | 0.0         | 4.8          | -4.8         |
| 2                                     |               | SASARAM-FATEHPUR             | S/C     | 0               | 86              | 0.3         | 0.0          | 0.3          |
| 3                                     |               | GAYA-BALIA                   | S/C     | 0               | 397             | 0.0         | 7.8          | -7.8         |
| 4                                     | HVDC          | ALIPURDUAR-AGRA              | -       | 0               | 0               | 0.0         | 11.9         | -11.9        |
| 5                                     |               | PUSAULI B/B                  | S/C     | 0               | 0               | 0.0         | 0.0          | 0.0          |
| 6                                     | 400 kV        | PUSAULI-VARANASI             | S/C     | 0               | 36              | 0.0         | 0.1          | -0.1         |
| 7                                     |               | PUSAULI -ALLAHABAD           | S/C     | 0               | 0               | 1.2         | 0.0          | 1.2          |
| 8                                     |               | MUZAFFARPUR-GORAKHPUR        | D/C     | 0               | 240             | 0.0         | 2.3          | -2.3         |
| 9                                     |               | PATNA-BALIA                  | Q/C     | 0               | 621             | 0.0         | 10.9         | -10.9        |
| 10                                    |               | BIHARSHARIFF-BALIA           | D/C     | 0               | 228             | 0.0         | 4.5          | -4.5         |
| 11                                    |               | MOTIHARI-GORAKHPUR           | D/C     | 0               | 217             | 0.0         | 4.0          | -4.0         |
| 12                                    | 220 kV        | BIHARSHARIFF-VARANASI        | D/C     | 0               | 375             | 0.0         | 1.1          | -1.1         |
| 13                                    |               | PUSAULI-SAHUPURI             | S/C     | 0               | 175             | 0.0         | 3.3          | -3.3         |
| 14                                    | 132 kV        | SONE NAGAR-RIHAND            | S/C     | 0               | 0               | 0.0         | 0.0          | 0.0          |
| 15                                    |               | GARWAH-RIHAND                | S/C     | 0               | 0               | 0.7         | 0.0          | 0.7          |
| 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>2.1</b>  | <b>50.7</b>  | <b>-48.5</b> |
| <b>Import/Export of ER (With WR)</b>  |               |                              |         |                 |                 |             |              |              |
| 18                                    | 765 kV        | JHARSUGUDA-DHARAMJAIGARH S/C | D/C     | 0               | 0               | 14.1        | 0.0          | 14.1         |
| 19                                    |               | NEW RANCHI-DHARAMJAIGARH     | D/C     | 0               | 107             | 6.2         | 0.0          | 6.2          |
| 20                                    | 400 kV        | JHARSUGUDA-RAIGARH           | Q/C     | 0               | 0               | 13.1        | 0.0          | 13.1         |
| 21                                    |               | RANCHI-SIPAT                 | D/C     | 0               | 0               | 5.2         | 0.0          | 5.2          |
| 22                                    | 220 kV        | BUDHIPADAR-RAIGARH           | S/C     | 0               | 111             | 0.0         | 1.4          | -1.4         |
| 23                                    |               | BUDHIPADAR-KORBA             | D/C     | 0               | 0               | 4.2         | 0.0          | 4.2          |
| <b>ER-WR</b>                          |               |                              |         |                 |                 | <b>42.7</b> | <b>1.4</b>   | <b>41.3</b>  |
| <b>Import/Export of ER (With SR)</b>  |               |                              |         |                 |                 |             |              |              |
| 24                                    | 765 kV        | ANGUL-SRIKAKULAM             | D/C     | 0.0             | 0.0             | 0.0         | 27.9         | -27.9        |
| 25                                    | HVDC LINK     | JEYPORE-GAZUWAKA B/B         | D/C     | 0.0             | 325.2           | 0.0         | 15.0         | -15.0        |
| 26                                    |               | TALCHER-KOLAR BIPOLE         | D/C     | 0.0             | 2261.9          | 0.0         | 45.6         | -45.6        |
| 27                                    | 400 kV        | TALCHER-I/C                  | D/C     | 0.0             | 443.2           | 1.3         | 6.6          | -5.3         |
| 28                                    | 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>88.4</b>  | <b>-88.4</b> |
| <b>Import/Export of ER (With NER)</b> |               |                              |         |                 |                 |             |              |              |
| 29                                    | 400 kV        | BINAGURI-BONGAIGAON          | D/C     | 0               | 944             | 0.0         | 5.1          | -5           |
| 30                                    |               | ALIPURDUAR-BONGAIGAON        | D/C     | 0               | 812             | 3.9         | 0.0          | 4            |
| 31                                    | 220 kV        | ALIPURDUAR-SALAKATI          | D/C     | 0               | 0               | 0.0         | 0.0          | 0            |
| <b>ER-NER</b>                         |               |                              |         |                 |                 | <b>3.9</b>  | <b>5.1</b>   | <b>-1.2</b>  |
| <b>Import/Export of NER (With NR)</b> |               |                              |         |                 |                 |             |              |              |
| 32                                    | HVDC          | BISWANATH CHARIALI-AGRA      | -       | 0               | 0               | 0.0         | 0.0          | 0.0          |
| <b>NER-NR</b>                         |               |                              |         |                 |                 | <b>0.0</b>  | <b>0.0</b>   | <b>0.0</b>   |
| <b>Import/Export of WR (With NR)</b>  |               |                              |         |                 |                 |             |              |              |
| 33                                    | HVDC          | CHAMPA-KURUKSHETRA           | D/C     | 0               | 1520            | 0.0         | 36.9         | -36.9        |
| 34                                    |               | V'CHAL B/B                   | D/C     | 150             | 150             | 1.6         | 1.9          | -0.2         |
| 35                                    |               | APL -MHG                     | D/C     | 0               | 307             | 0.0         | 7.4          | -7.4         |
| 36                                    | 765 kV        | GWALIOR-AGRA                 | D/C     | 0               | 2146            | 0.0         | 42.7         | -42.7        |
| 37                                    |               | PHAGI-GWALIOR                | D/C     | 481             | 1192            | 0.0         | 20.6         | -20.6        |
| 38                                    |               | JABALPUR-ORAI                | D/C     | 0               | 1300            | 0.0         | 22.1         | -22.1        |
| 39                                    | 400 kV        | ZERDA-KANKROLI               | S/C     | 480             | 0               | 8.8         | 0.0          | 8.8          |
| 40                                    |               | ZERDA -BHINMAL               | S/C     | 446             | 0               | 6.8         | 0.0          | 6.8          |
| 41                                    |               | V'CHAL -RIHAND               | S/C     | 965             | 0               | 22.6        | 0.0          | 22.6         |
| 42                                    |               | RAPP-SHUJALPUR               | D/C     | 0               | 320             | 0           | 2            | -2           |
| 43                                    | 220 kV        | BADOD-KOTA                   | S/C     | 108             | 5               | 1.0         | 0.0          | 1.0          |
| 44                                    |               | BADOD-MORAK                  | S/C     | 63              | 28              | 0.4         | 0.1          | 0.3          |
| 45                                    |               | MEHGAON-AURAIYA              | S/C     | 66              | 0               | 1.0         | 0.0          | 1.0          |
| 46                                    | 132kV         | MALANPUR-AURAIYA             | S/C     | 36              | 0               | 0.4         | 0.0          | 0.4          |
| 47                                    |               | GWALIOR-SAWAI MADHOPUR       | S/C     | 0               | 0               | 0.0         | 0.0          | 0.0          |
| <b>WR-NR</b>                          |               |                              |         |                 |                 | <b>42.6</b> | <b>134.2</b> | <b>-91.5</b> |
| <b>Import/Export of WR (With SR)</b>  |               |                              |         |                 |                 |             |              |              |
| 48                                    | HVDC          | BHADRAWATI B/B               | -       | 0               | 1000            | 0.0         | 23.9         | -23.9        |
| 49                                    | LINK          | BARSUR-L.SILERU              | -       | 0               | 0               | 0.0         | 0.0          | 0.0          |
| 50                                    |               | SOLAPUR-RAICHUR              | D/C     | 501             | 660             | 0.0         | 3.3          | -3.3         |
| 51                                    | 765 kV        | WARDHA-NIZAMABAD             | D/C     | 0               | 2055            | 0.0         | 31.6         | -31.6        |
| 52                                    |               | KOLHAPUR-KUDGI               | D/C     | 673             | 0               | 10.5        | 0.0          | 10.5         |
| 53                                    | 220 kV        | KOLHAPUR-CHIKODI             | D/C     | 0               | 0               | 0.0         | 0.0          | 0.0          |
| 54                                    |               | PONDA-AMBEWADI               | S/C     | 0               | 0               | 0.0         | 0.0          | 0.0          |
| 55                                    |               | XELDEM-AMBEWADI              | S/C     | 107             | 0               | 2.2         | 0.0          | 2.2          |
| <b>WR-SR</b>                          |               |                              |         |                 |                 | <b>12.7</b> | <b>58.8</b>  | <b>-46.1</b> |
| <b>TRANSNATIONAL EXCHANGE</b>         |               |                              |         |                 |                 |             |              |              |
| 56                                    |               | BHUTAN                       |         |                 |                 |             |              | <b>3.4</b>   |
| 57                                    |               | NEPAL                        |         |                 |                 |             |              | <b>-10.8</b> |
| 58                                    |               | BANGLADESH                   |         |                 |                 |             |              | <b>-14.5</b> |