



National Load Despatch Centre
पाँवर सिस्टम ऑपरेशन कारपोरेशन लिमिटेड
POWER SYSTEM OPERATION CORPORATION LIMITED
(A wholly owned subsidiary of POWERGRID)
B-9, QUTUB INSTITUTIONAL AREA, KATWARIA SARAI, NEW DELHI -110016

Ref: POSOCO/NLDC/SO/Daily PSP Report

Date: 21th Nov 2016

To,

1. महाप्रबंधक, पू.क्षे.भा.प्रे.के.,14 , गोल्फ क्लब रोड , कोलकाता - 700033
General Manager, ERLDC, 14 Golf Club Road, Tollygunge, Kolkata, 700033
2. महाप्रबंधक, ऊ.क्षे.भा.प्रे.के., 18/ ए , शहीद जीत सिंह सनसनवाल मार्ग, नई दिल्ली - 110016
General Manager, NRLDC, 18-A, Shaheed Jeet Singh Marg, Katwaria Sarai, New Delhi – 110016
3. महाप्रबंधक, प.क्षे.भा.प्रे.के., एफ3-, एम आई डी सी क्षेत्र , अंधेरी, मुंबई -400093
General Manager, WRLDC, F-3, M.I.D.C. Area, Marol, Andheri (East), Mumbai-400093
4. महाप्रबंधक, ऊ.पू.क्षे.भा.प्रे.के., डोंगतिह, लोअर नॉग्रह , लापलंग, शिलॉंग - 793006
General Manager, 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 20.11.2016.

महोदय/Dear Sir,

आईंईंजींसीं-2010 की धारा स.-5.5.1 के प्रावधान के अनुसार, दिनांक 20 नवंबर 2016 की अखिल भारतीय प्रणाली की दैनिक ग्रिड निष्पादन रिपोर्ट रांभांप्रेंकें 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 20th November 2016, is available at the NLDC website.

Thanking You.



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

Report for previous day

Date of Reporting

21-Nov-16

A. Maximum Demand

| | NR | WR | SR | ER | NER | Total |
|--|-------|-------|-------|-------|-------|--------|
| Demand Met during Evening Peak hrs(MW) | 34021 | 40873 | 34524 | 16385 | 2162 | 127965 |
| Peak Shortage (MW) | 436 | 10 | 0 | 150 | 16 | 612 |
| Energy Met (MU) | 765 | 962 | 809 | 301 | 37 | 2873 |
| Hydro Gen(MU) | 106 | 38 | 21 | 30 | 11 | 204 |
| Wind Gen(MU) | 12 | 7 | 16 | ----- | ----- | 34 |
| Solar Gen (MU)* | 3.23 | 9.86 | 11.50 | 0.04 | 0.02 | 25 |

B. Frequency Profile (%)

| Region | FVI | <49.7 | 49.7-49.8 | 49.8-49.9 | <49.9 | 49.9-50.05 | > 50.05 |
|----------|-------|-------|-----------|-----------|-------|------------|---------|
| NEW GRID | 0.043 | 0.00 | 0.00 | 5.59 | 5.59 | 69.79 | 24.62 |
| SR GRID | 0.043 | 0.00 | 0.00 | 5.59 | 5.59 | 69.79 | 24.62 |

| 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) |
|--------------|-------------------|-------------------------------------|-------------------------------------|-----------------|----------------------|------------------|-------------|
| NR | Punjab | 4132 | 0 | 81.5 | 44.7 | -2.6 | 192 |
| | Haryana | 5342 | 0 | 94.6 | 78.8 | -6.3 | 118 |
| | Rajasthan | 9618 | 0 | 197.0 | 72.3 | 0.9 | 212 |
| | Delhi | 2925 | 0 | 52.5 | 36.4 | 1.6 | 263 |
| | UP | 11803 | 0 | 247.7 | 84.3 | -1.3 | 384 |
| | Uttarakhand | 1596 | 0 | 29.6 | 16.4 | -0.8 | 155 |
| | HP | 1234 | 0 | 22.6 | 17.0 | -0.2 | 99 |
| | J&K | 1744 | 436 | 36.3 | 35.8 | -5.0 | 0 |
| | Chandigarh | 163 | 0 | 2.9 | 3.0 | -0.1 | 28 |
| WR | Chhattisgarh | 2795 | 0 | 60.4 | 3.0 | -2.6 | 131 |
| | Gujarat | 12178 | 0 | 262.6 | 79.0 | -0.9 | 577 |
| | MP | 10576 | 0 | 214.3 | 143.9 | -3.5 | 466 |
| | Maharashtra | 18901 | 0 | 388.0 | 107.9 | -0.5 | 523 |
| | Goa | 389 | 0 | 7.9 | 7.4 | 0.0 | 15 |
| | DD | 260 | 0 | 6.0 | 6.0 | -0.1 | 2 |
| | DNH | 684 | 0 | 15.7 | 16.2 | -0.5 | 26 |
| | Essar steel | 384 | 0 | 7.2 | 7.2 | 0.0 | 150 |
| | Andhra Pradesh | 6702 | 0 | 150.9 | 30.4 | 3.4 | 382 |
| SR | Telangana | 6375 | 0 | 127.9 | 64.6 | -0.2 | 287 |
| | Karnataka | 8855 | 0 | 190.0 | 72.0 | 1.3 | 511 |
| | Kerala | 3167 | 0 | 60.7 | 53.4 | 2.6 | 218 |
| | Tamil Nadu | 12201 | 0 | 273.5 | 147.6 | 1.4 | 499 |
| | Pondy | 277 | 0 | 5.9 | 6.5 | -0.6 | 53 |
| | Bihar | 3388 | 150 | 61.2 | 58.8 | 0.3 | 345 |
| ER | DVC | 2482 | 0 | 54.8 | -34.1 | -1.2 | 305 |
| | Jharkhand | 1174 | 0 | 22.8 | 14.5 | 0.9 | 120 |
| | Odisha | 3662 | 0 | 64.6 | 20.6 | -0.6 | 305 |
| | West Bengal | 6266 | 0 | 96.4 | 17.2 | 1.0 | 245 |
| | Sikkim | 64 | 0 | 1.1 | 1.6 | -0.5 | 20 |
| | Arunachal Pradesh | 118 | 2 | 1.8 | 2.1 | -0.3 | 7 |
| NER | Assam | 1303 | 0 | 22.4 | 16.3 | 1.9 | 101 |
| | Manipur | 129 | 1 | 2.2 | 2.3 | -0.1 | 10 |
| | Meghalaya | 249 | 0 | 4.4 | 3.7 | -0.4 | 8 |
| | Mizoram | 69 | 1 | 1.3 | 1.3 | 0.0 | 14 |
| | Nagaland | 98 | 2 | 1.5 | 1.8 | -0.4 | 5 |
| | Tripura | 205 | 0 | 3.1 | 2.5 | -0.1 | 98 |

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

| | Bhutan | Nepal | Bangladesh |
|---------------|--------|-------|------------|
| Actual(MU) | 11.7 | -3.4 | -11.9 |
| Day peak (MW) | 568.0 | 0.0 | -572.6 |

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

| | NR | WR | SR | ER | NER | TOTAL |
|--------------|-------|--------|------|-------|------|-------|
| Schedule(MU) | 163.7 | -163.8 | 90.2 | -91.2 | 0.2 | -0.9 |
| Actual(MU) | 165.7 | -165.2 | 93.0 | -91.4 | -0.9 | 1.2 |
| O/D/U/D(MU) | 2.0 | -1.5 | 2.8 | -0.2 | -1.1 | 2.1 |

F. Generation Outage(MW)

| | NR | WR | SR | ER | NER | Total |
|----------------|-------|-------|------|------|-----|-------|
| Central Sector | 5842 | 11821 | 2710 | 870 | 84 | 21327 |
| State Sector | 12555 | 18089 | 5834 | 5824 | 110 | 42412 |
| Total | 18397 | 29910 | 8544 | 6694 | 194 | 63740 |

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

सचिव(ऊर्जा)/संयुक्त सचिव(पारिषद)/(ओ एम)/निदेशक(ओ एम)/मुख्य अभियंता-के०वि०प्रा०(शि०प्र०)/
अध्यक्ष एवं प्रबंध निदेशक (पावरग्रिड)/मुख्य कार्यपालक अधिकारी(पोसोको)/सभी राज्यों के मुख्य सचिव/ऊर्जा सचिव

| INTER-REGIONAL EXCHANGES | | | | | | | | | |
|---------------------------------------|---------------|---------------------------------------|---------|-----------------|-----------------|-------------|--------------|--|-----------|
| | | | | | | | | Date of Reporting : | 21-Nov-16 |
| | | | | | | | | Import=(+ve) /Export =(-ve) for NET (MU) | |
| SI No | Voltage Level | Line Details | Circuit | Max Import (MW) | Max Export (MW) | Import (MU) | Export (MU) | NET (MU) | |
| Import/Export of ER (With NR) | | | | | | | | | |
| 1 | 765KV | GAYA-VARANASI | D/C | 0 | 326 | 0.0 | 11.7 | -11.7 | |
| 2 | | SASARAM-FATEHPUR | S/C | 238 | 80 | 0.0 | 1.8 | -1.8 | |
| 3 | | GAYA-BALIA | S/C | 0 | 329 | 0.0 | 6.3 | -6.3 | |
| 4 | HVDC LINK | PUSAULI B/B | S/C | 0 | 148 | 0.0 | 0.0 | 0.0 | |
| 5 | 400 KV | PUSAULI-SARNATH | S/C | 0 | 163 | 0.0 | 2.6 | -2.6 | |
| 6 | | PUSAULI-ALLAHABAD | S/C | 25 | 39 | 0.0 | 0.1 | -0.1 | |
| 7 | | MUZAFFARPUR-GORAKHPUR | D/C | 175 | 306 | 0.0 | 3.4 | -3.4 | |
| 8 | | PATNA-BALIA | Q/C | 0 | 696 | 0.0 | 13.9 | -13.9 | |
| 9 | | BIHARSHARIFF-BALIA | D/C | 100 | 134 | 0.0 | 1.8 | -1.8 | |
| 10 | | BARH-GORAKHPUR | D/C | 0 | 473 | 0.0 | 10.6 | -10.6 | |
| 11 | 220 KV | BIHARSHARIFF-VARANASI | D/C | 24 | 0 | 0.3 | 0.0 | 0.3 | |
| 12 | | PUSAULI-SAHUPURI | S/C | 0 | 205 | 0.0 | 3.5 | -3.5 | |
| 13 | | SONE NAGAR-RIHAND | S/C | 0 | 0 | 0.0 | 0.0 | 0.0 | |
| 14 | | GARWAH-RIHAND | S/C | 35 | 0 | 0.8 | 0.0 | 0.8 | |
| 15 | | KARMANASA-SAHUPURI | S/C | 0 | 0 | 0.5 | 0.0 | 0.5 | |
| 16 | 132 KV | KARMANASA-CHANDAULI | S/C | 0 | 0 | 0.0 | 0.0 | 0.0 | |
| ER-NR | | | | | | 1.6 | 55.7 | -54.1 | |
| Import/Export of ER (With WR) | | | | | | | | | |
| 17 | 765 KV | JHARSUGUDA-DHARAMJAIGARH S/C | D/C | 0 | 829 | 0.0 | 12.2 | -12.2 | |
| 18 | | NEW RANCHI-DHARAMJAIGARH | D/C | 309 | 274 | 1.0 | 0.0 | 1.0 | |
| 19 | 400 KV | ROURKELA - RAIGARH (SEL LILO BYPASS) | S/C | 156 | 41 | 1.1 | 0.0 | 1.1 | |
| 20 | | JHARSUGUDA-RAIGARH | S/C | 188 | 0 | 2.2 | 0.0 | 2.2 | |
| 21 | | IBEUL-RAIGARH | S/C | 133 | 0 | 1.5 | 0.0 | 1.5 | |
| 22 | | STERLITE-RAIGARH | D/C | 83 | 159 | 0.0 | 1.6 | -1.6 | |
| 23 | 220 KV | RANCHI-SIPAT | D/C | 226 | 35 | 1.3 | 0.0 | 1.3 | |
| 24 | | BUDHIPADAR-RAIGARH | S/C | 51 | 95 | 0.0 | 0.5 | -0.5 | |
| 25 | | BUDHIPADAR-KORBA | D/C | 206 | 0 | 2.7 | 0.0 | 2.7 | |
| ER-WR | | | | | | 9.8 | 14.3 | -4.5 | |
| Import/Export of ER (With SR) | | | | | | | | | |
| 26 | HVDC LINK | JEYPORE-GAZUWAKA B/B | D/C | 0.0 | 330 | 0.0 | 14.7 | -14.7 | |
| 27 | 400 KV | TALCHER-KOLAR BIPOLE | D/C | 0.0 | 2450 | 0.0 | 47.1 | -47.1 | |
| 28 | | TALCHER-I/C | | 0.0 | 1206 | 0.0 | 16.0 | -16.0 | |
| 29 | 220 KV | BALIMELA-UPPER-SILERRU | S/C | 0 | 0 | 0.0 | 0.0 | 0.0 | |
| ER-SR | | | | | | 0.0 | 61.8 | -61.8 | |
| Import/Export of ER (With NER) | | | | | | | | | |
| 30 | 400 KV | BINAGURI-BONGAIGAON | Q/C | 0 | 1037 | 0.0 | 13.1 | -13 | |
| 31 | 220 KV | BIRPARA-SALAKATI | D/C | 0 | 0 | 0.0 | 2.1 | -2 | |
| ER-NER | | | | | | 0.0 | 15.3 | -15.3 | |
| Import/Export of NR (With NER) | | | | | | | | | |
| 32 | HVDC | BISWANATH CHARIALI-AGRA | - | 0 | 0 | 16.1 | 0.0 | 16.1 | |
| NR-NER | | | | | | 16.1 | 0.0 | 16.1 | |
| Import/Export of WR (With NR) | | | | | | | | | |
| 33 | HVDC | VCHAL B/B | D/C | 500 | 0 | 12.1 | 0.0 | 12.1 | |
| 34 | HVDC | APL -MHG | D/C | 0 | 1311 | 0.0 | 26.0 | -26.0 | |
| 35 | 765 KV | GWALIOR-AGRA | D/C | 0 | 2294 | 0.0 | 51.1 | -51.1 | |
| 36 | 765 KV | PHAGI-GWALIOR | D/C | 0 | 1790 | 0.0 | 37.3 | -37.3 | |
| 37 | 400 KV | ZERDA-KANKROLI | S/C | 125 | 71 | 0.8 | 0.0 | 0.8 | |
| 38 | 400 KV | ZERDA -BHINMAL | S/C | 119 | 225 | 0.0 | 0.4 | -0.4 | |
| 39 | 400 KV | VCHAL -RIHAND | S/C | 0 | 0 | 0.0 | 0.0 | 0.0 | |
| 40 | 400KV | RAPP-SHUJALPUR | D/C | 0 | 380 | 0 | 6 | -6 | |
| 41 | 220 KV | BADOD-KOTA | S/C | 98 | 0 | 1.5 | 0.0 | 1.5 | |
| 42 | | BADOD-MORAK | S/C | 44 | 5 | 0.6 | 0.0 | 0.6 | |
| 43 | | MEHGAON-AURAIYA | S/C | 71 | 0 | 1.6 | 0.0 | 1.6 | |
| 44 | | MALANPUR-AURAIYA | S/C | 33 | 0 | 0.7 | 0.0 | 0.7 | |
| 45 | 132KV | GWALIOR-SAWAI MADHOPUR | S/C | 0 | 0 | 0.0 | 0.0 | 0.0 | |
| WR-NR | | | | | | 17.3 | 120.4 | -103.2 | |
| Import/Export of WR (With SR) | | | | | | | | | |
| 46 | HVDC | BHADRAWATI B/B | - | 0 | 1000 | 0.0 | 23.9 | -23.9 | |
| 47 | LINK | BARSUR-L.SILERU | - | 0 | 0 | 0.0 | 0.0 | 0.0 | |
| 48 | 765 KV | SOLAPUR-RAICHUR | D/C | 0 | 2434 | 0.0 | 46.3 | -46.3 | |
| 49 | 400 KV | KOLHAPUR-KUDGI | D/C | 0 | 475 | 0.0 | 6.9 | -6.9 | |
| 50 | 220 KV | KOLHAPUR-CHIKODI | D/C | 0 | 0 | 0.0 | 0.0 | 0.0 | |
| 51 | | PONDA-AMBEWADI | S/C | 0 | 0 | 0.0 | 0.0 | 0.0 | |
| 52 | | XELDEM-AMBEWADI | S/C | 74 | 0 | 1.5 | 0.0 | 1.5 | |
| WR-SR | | | | | | 1.5 | 77.1 | -75.6 | |
| TRANSNATIONAL EXCHANGE | | | | | | | | | |
| 54 | | BHUTAN | | | | | | 11.7 | |
| 55 | | NEPAL | | | | | | -3.4 | |
| 56 | | BANGLADESH | | | | | | -11.9 | |