



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: 23rd July, 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. Executive Director, ऊ. क्षे. भा. प्रे. के., 18/ ए , शहीद जीत सिंह सनसनवाल मार्ग, नई दिल्ली - 110016
कार्यपालक निदेशक, NRLDC, 18-A, Shaheed Jeet Singh Marg, Katwaria Sarai, New Delhi – 110016
3. महाप्रबंधक, प. क्षे. भा. प्रे. के., एफ-3, 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. कार्यपालक 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 22.07.2016.

महोदय/Dear Sir,

आई०ई०जी०सी०-2010 की धारा स. - 5.5.1 के प्रावधान के अनुसार, दिनांक 22.07.16 की अखिल भारतीय प्रणाली की दैनिक ग्रिड निष्पादन रिपोर्ट रा०भा०प्रे०के० की वेबसाइट पर निम्न लिंक 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 22nd July 2016, is available at the NLDC website.

http://posoco.in/WebsiteData/Reports/DailyReports/2016-2017/July%212016/23.07.16_NLDC_PSP.pdf

Thanking You.



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

Report for previous day

Date of Reporting

23-Jul-16

A. Maximum Demand

| | NR | WR | SR | ER | NER | Total |
|----------------------------------------|-------|-------|-------|-------|-------|--------|
| Demand Met during Evening Peak hrs(MW) | 49737 | 39349 | 34405 | 18025 | 2292 | 143808 |
| Peak Shortage (MW) | 747 | 70 | 111 | 225 | 198 | 1351 |
| Energy Met (MU) | 1167 | 886 | 792 | 380 | 42 | 3267 |
| Hydro Gen(MU) | 341 | 71 | 37 | 69 | 28 | 546 |
| Wind Gen(MU) | 36 | 66 | 118 | ----- | ----- | 220 |

B. Frequency Profile (%)

| Region | <49.2 | <49.7 | 49.7-49.8 | 49.8-49.9 | <49.9 | 49.9-50.05 | > 50.05 |
|----------|-------|-------|-----------|-----------|-------|------------|---------|
| NEW GRID | 0.00 | 0.00 | 0.29 | 1.28 | 1.28 | 78.83 | 19.88 |
| SR GRID | 0.00 | 0.00 | 0.29 | 1.28 | 1.28 | 78.83 | 19.88 |

C. Power Supply Position in States

| Region/Region | States | Max. Demand Met during the day (MW) | Shortage during maximum Demand (MW) | Energy Met (MU) | Drawal Schedule (MU) | OD(+)/UD(-) (MU) | Max OD (MW) |
|---------------|-------------------|-------------------------------------|-------------------------------------|-----------------|----------------------|------------------|-------------|
| NR | Punjab | 10672 | 0 | 247.5 | 133.0 | 1.3 | 240 |
| | Haryana | 9219 | 0 | 192.2 | 152.8 | 0.1 | 289 |
| | Rajasthan | 9394 | 58 | 205.5 | 70.0 | 1.7 | 382 |
| | Delhi | 5816 | 12 | 121.4 | 97.5 | 1.4 | 309 |
| | UP | 13837 | 0 | 302.3 | 147.6 | 1.5 | 662 |
| | Uttarakhand | 1712 | 75 | 35.5 | 18.1 | -0.3 | 386 |
| | HP | 1247 | 0 | 26.4 | 0.7 | 1.4 | 274 |
| | J&K | 1316 | 329 | 29.5 | 14.7 | -7.6 | 98 |
| WR | Chandigarh | 345 | 0 | 6.6 | 6.7 | -0.2 | 33 |
| | Chhattisgarh | 3248 | 0 | 74.0 | 16.0 | 0.3 | 537 |
| | Gujarat | 12676 | 0 | 281.7 | 60.6 | 1.8 | 467 |
| | MP | 6577 | 0 | 143.3 | 87.7 | -2.6 | 248 |
| | Maharashtra | 15883 | 0 | 345.2 | 123.4 | 1.5 | 842 |
| | Goa | 377 | 0 | 7.8 | 6.6 | 0.6 | 122 |
| | DD | 305 | 0 | 6.8 | 6.2 | 0.6 | 63 |
| | DNH | 726 | 0 | 16.7 | 17.0 | -0.3 | 25 |
| SR | Essar steel | 532 | 0 | 10.2 | 10.0 | 0.2 | 204 |
| | Andhra Pradesh | 140 | 0 | 138.2 | 14.0 | -0.9 | 566 |
| | Telangana | 6602 | 0 | 140.7 | 81.3 | 0.7 | 419 |
| | Karnataka | 7494 | 0 | 151.5 | 58.4 | 1.8 | 540 |
| | Kerala | 3265 | 0 | 62.2 | 45.8 | 0.9 | 232 |
| ER | Tamil Nadu | 13359 | 0 | 292.6 | 103.4 | -2.7 | 575 |
| | Pondy | 318 | 0 | 7.2 | 7.3 | -0.2 | 27 |
| | Bihar | 3320 | 0 | 71.3 | 67.3 | -0.1 | 145 |
| | DVC | 2699 | 0 | 60.8 | -27.9 | -1.1 | 100 |
| | Jharkhand | 1068 | 0 | 22.4 | 18.7 | 0.2 | 70 |
| NER | Odisha | 3989 | 0 | 79.4 | 26.4 | 0.5 | 125 |
| | West Bengal | 7419 | 0 | 145.6 | 43.5 | 2.1 | 170 |
| | Sikkim | 88 | 0 | 0.9 | 1.7 | -0.7 | 25 |
| | Arunachal Pradesh | 92 | 6 | 1.8 | 2.2 | -0.4 | 7 |
| | Assam | 1430 | 138 | 26.6 | 20.0 | 1.0 | 183 |
| NER | Manipur | 142 | 0 | 1.9 | 2.2 | -0.2 | 60 |
| | Meghalaya | 257 | 0 | 4.6 | -0.6 | 0.2 | 97 |
| | Mizoram | 72 | 0 | 1.2 | 1.0 | 0.1 | 30 |
| | Nagaland | 107 | 1 | 1.9 | 1.8 | 0.1 | 27 |
| Tripura | 244 | 1 | 4.0 | 3.5 | 0.2 | 51 | |

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

| | Bhutan | Nepal | Bangladesh |
|---------------|--------|--------|------------|
| Actual(MU) | 28.9 | -4.5 | -12.3 |
| Day peak (MW) | 1463.0 | -175.0 | -540.0 |

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

| | NR | WR | SR | ER | NER | TOTAL |
|--------------|-------|--------|------|-------|-------|-------|
| Schedule(MU) | 218.8 | -205.2 | 67.7 | -78.5 | -9.7 | -6.9 |
| Actual(MU) | 218.0 | -203.8 | 64.6 | -76.9 | -10.9 | -9.0 |
| O/D/U/D(MU) | -0.8 | 1.4 | -3.1 | 1.6 | -1.2 | -2.1 |

F. Generation Outage(MW)

| | NR | WR | SR | ER | NER | Total |
|----------------|-------|-------|-------|------|-----|-------|
| Central Sector | 4085 | 14238 | 2220 | 2050 | 34 | 22627 |
| State Sector | 11175 | 22274 | 9307 | 5009 | 110 | 47875 |
| Total | 15260 | 36512 | 11527 | 7059 | 143 | 70502 |

सचिव(ऊर्जा) / विशेष सचिव(ऊर्जा)/अतिरिक्त सचिव(ऊर्जा)/संयुक्त सचिव(पारिषद)(ओ एम)/निदेशक(ओ एम)/मुख्य अभियंता-के०वि०प्रा०(वि०प्र०)/अध्यक्ष एवं प्रबंध निदेशक (पावरग्रिड)/मुख्य कार्यपालक अधिकारी(पोसोको)/सभी राज्यों के मुख्य सचिव/ऊर्जा सचिव

| INTER-REGIONAL EXCHANGES | | | | | | | | |
|---------------------------------------|---------------|---------------------------------------|---------|-----------------|-----------------|-------------|--------------|------------------------------------------------|
| | | | | | | | | Date of Reporting : 23-Jul-16 |
| | | | | | | | | 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) |
| Import/Export of ER (With NR) | | | | | | | | |
| 1 | 765KV | GAYA-VARANASI | D/C | 0 | 352 | 0.0 | 12.0 | -12.0 |
| 2 | | SASARAM-FATEHPUR | S/C | 272 | 133 | 2.0 | 0.0 | 2.0 |
| 3 | | GAYA-BALIA | S/C | 0 | 362 | 0.0 | 6.0 | -6.0 |
| 4 | HVDC LINK | PUSAULI B/B | S/C | 3 | 372 | 0.0 | 5.0 | -5.0 |
| 5 | 400 KV | PUSAULI-SARNATH | S/C | 21 | 288 | 0.0 | 0.0 | 0.0 |
| 6 | | PUSAULI-ALLAHABAD | D/C | 231 | 133 | 0.0 | 0.0 | 0.0 |
| 7 | | MUZAFFARPUR-GORAKHPUR | D/C | 3 | 458 | 0.0 | 9.0 | -9.0 |
| 8 | | PATNA-BALIA | Q/C | 0 | 928 | 0.0 | 19.0 | -19.0 |
| 9 | | BIHARSHARIFF-BALIA | D/C | 39 | 229 | 0.0 | 1.0 | -1.0 |
| 10 | | BARH-GORAKHPUR | D/C | 0 | 570 | 0.0 | 11.0 | -11.0 |
| 11 | | BIHARSHARIFF-VARANASI | D/C | 578 | 0 | 0.0 | 3.0 | -3.0 |
| 12 | 220 KV | PUSAULI-SAHUPURI | S/C | 0 | 242 | 0.0 | 5.0 | -5.0 |
| 13 | 132 KV | SONE NAGAR-RIHAND | S/C | 0 | 0 | 0.0 | 0.0 | 0.0 |
| 14 | | GARWAH-RIHAND | S/C | 0 | 0 | 1.0 | 0.0 | 1.0 |
| 15 | | KARMANASA-SAHUPURI | S/C | 0 | 0 | 0.0 | 0.0 | 0.0 |
| 16 | | KARMANASA-CHANDAULI | S/C | 0 | 0 | 0.0 | 0.0 | 0.0 |
| ER-NR | | | | | | 3.0 | 71.0 | -68.0 |
| Import/Export of ER (With WR) | | | | | | | | |
| 17 | 765 KV | JHARSUGUDA-DHARAMJAIGARH S/C | D/C | 28 | 851 | 0.0 | 9.0 | -9.0 |
| 18 | | NEW RANCHI-DHARAMJAIGARH | D/C | 367 | 30 | 5.0 | 0.0 | 5.0 |
| 19 | 400 KV | ROURKELA - RAIGARH (SEL LILO BYPASS) | S/C | 158 | 12 | 2.0 | 0.0 | 2.0 |
| 20 | | JHARSUGUDA-RAIGARH | S/C | 195 | 0 | 2.0 | 0.0 | 2.0 |
| 21 | | IBEUL-RAIGARH | S/C | 137 | 0 | 1.0 | 0.0 | 1.0 |
| 22 | | STERLITE-RAIGARH | D/C | 30 | 0 | 2.0 | 0.0 | 2.0 |
| 23 | | RANCHI-SIPAT | D/C | 212 | 0 | 3.0 | 0.0 | 3.0 |
| 24 | 220 KV | BUDHIPADAR-RAIGARH | S/C | 0 | 229 | 0.0 | 4.0 | -4.0 |
| 25 | | BUDHIPADAR-KORBA | D/C | 12 | 131 | 0.0 | 2.0 | -2.0 |
| ER-WR | | | | | | 15.0 | 15.0 | 0.0 |
| Import/Export of ER (With SR) | | | | | | | | |
| 26 | HVDC LINK | JEYPORE-GAZUWAKA B/B | D/C | 0.0 | 427 | 0.0 | 12.0 | -12.0 |
| 27 | 400 KV | TALCHER-KOLAR BIPOLE | D/C | 0.0 | 1986 | 0.0 | 42.0 | -42.0 |
| 28 | | TALCHER-I/C | | 384.0 | 483 | 3.0 | 4.0 | -1.0 |
| 29 | 220 KV | BALIMELA-UPPER-SILERRU | S/C | 0 | 0 | 0.0 | 0.0 | 0.0 |
| ER-SR | | | | | | 3.0 | 54.0 | -54.0 |
| Import/Export of ER (With NER) | | | | | | | | |
| 30 | 400 KV | BINAGURI-BONGAIGAON | Q/C | 370 | 343 | 3.0 | 0.0 | 3 |
| 31 | 220 KV | BIRPARA-SALAKATI | D/C | 0 | 0 | 0.0 | 1.0 | -1 |
| ER-NER | | | | | | 3.0 | 1.0 | 2.0 |
| Import/Export of NR (With NER) | | | | | | | | |
| 32 | HVDC | BISWANATH CHARIALI-AGRA | - | 500 | 0 | 11.5 | 0.0 | 11.5 |
| NR-NER | | | | | | 11.5 | 0.0 | 11.5 |
| Import/Export of WR (With NR) | | | | | | | | |
| 33 | HVDC | VCHAL B/B | D/C | 150 | 250 | 1.0 | 2.0 | -1.0 |
| 34 | HVDC | APL -MHG | D/C | 0 | 2520 | 0.0 | 60.0 | -60.0 |
| 35 | 765 KV | GWALIOR-AGRA | D/C | 0 | 2940 | 0.0 | 59.0 | -59.0 |
| 36 | 765 KV | PHAGI-GWALIOR | D/C | 0 | 652 | 0.0 | 21.8 | -21.8 |
| 37 | 400 KV | ZERDA-KANKROLI | S/C | 186 | 109 | 1.0 | 0.0 | 1.0 |
| 38 | 400 KV | ZERDA -BHINMAL | S/C | 149 | 124 | 0.0 | 0.0 | 0.0 |
| 39 | 400 KV | VCHAL -RIHAND | S/C | 0 | 0 | 0.0 | 0.0 | 0.0 |
| 40 | 400KV | RAPP-SHUJALPUR | D/C | 0 | 0 | 0.0 | 0.0 | 0.0 |
| 41 | 220 KV | BADOD-KOTA | S/C | 0 | 112 | 0.0 | 1.0 | -1.0 |
| 42 | | BADOD-MORAK | S/C | 0 | 97 | 0.0 | 2.0 | -2.0 |
| 43 | | MEHGAON-AURAIYA | S/C | 50 | 0 | 1.0 | 0.0 | 1.0 |
| 44 | | MALANPUR-AURAIYA | S/C | 50 | 9 | 0.0 | 0.0 | 0.0 |
| 45 | 132KV | GWALIOR-SAWAI MADHOPUR | S/C | 0 | 0 | 0.0 | 0.0 | 0.0 |
| WR-NR | | | | | | 3.0 | 145.8 | -142.8 |
| Import/Export of WR (With SR) | | | | | | | | |
| 46 | HVDC LINK | BHADRAWATI B/B | - | 0 | 1000 | 0.0 | 21.0 | -21.0 |
| 47 | 765 KV | BARSUR-L.SILERU | - | 0 | 0 | 0.0 | 0.0 | 0.0 |
| 48 | | SOLAPUR-RAICHUR | D/C | 0 | 1866 | 0.0 | 36.0 | -36.0 |
| 49 | 400 KV | KOLHAPUR-KUDGI | D/C | 138 | 141 | 1.0 | 1.0 | 0.0 |
| 50 | 220 KV | KOLHAPUR-CHIKODI | D/C | 0 | 178 | 0.0 | 4.0 | -4.0 |
| 51 | | PONDA-AMBEWADI | S/C | 0 | 0 | 0.0 | 0.0 | 0.0 |
| 52 | | XELDEM-AMBEWADI | S/C | 92 | 0 | 2.0 | 0.0 | 2.0 |
| WR-SR | | | | | | 3.0 | 62.0 | -59.0 |
| TRANSNATIONAL EXCHANGE | | | | | | | | |
| 54 | | BHUTAN | | | | | | 28.9 |
| 55 | | NEPAL | | | | | | -4.5 |
| 56 | | BANGLADESH | | | | | | -12.3 |