

National Load Despatch Centre राष्ट्रीय भार प्रेषण केंद्र

POWER SYSTEM OPERATION CORPORATION LIMITED

पॉवर सिस्टम ऑपरेशन कारपोरेशन लिमिटेड

(Government of India Enterprise/ भारत सरकार का उद्यम)

B-9, QUTUB INSTITUTIONAL AREA, KATWARIA SARAI, NEW DELHI -110016 बी-9, क़त्ब इन्स्टीट्यूशनल एरिया, कटवारिया सराये, न्यू दिल्ली-110016

Ref: POSOCO/NLDC/SO/Daily PSP Report

दिनांक: 29th Mar 2018

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- 1. कार्यकारी निदेशक, पू.क्षे.भा.प्रे.के.,14, गोल्फ क्लब रोड, कोलकाता ७०००३३ 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., डोंगतिएह, लोअर नोंग्रह, लापलंग, शिलोंग 793006 Executive Director, NERLDC, Dongteih, Lower Nongrah, Lapalang, Shillong 793006, Meghalaya
- 5. महाप्रबंधक , द .क्षे .भा .प्रे .के., २९ , रेस कोर्स क्रॉस रोड, बंगलुरु -560009 General Manager, SRLDC, 29, Race Course Cross Road, Bangalore-560009

Sub: Daily PSP Report for the date 28.03.2018.

महोदय/Dear Sir,

आई०ई०जी०सी०-2010 की धारा स.-5.5.1 के प्रावधान के अनुसार, दिनांक 28-Mar-2018 की अखिल भारतीय प्रणाली की दैनिक ग्रिड निष्पादन रिपोर्ट रा०भा०प्रे०के० की वेबसाइट पर उप्लब्ध 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 28th 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 29-Mar-18

A. Maximum Demand

| | NR | WR | SR | ER | NER | Total |
|---|-------|-------|-------|-------|------|--------|
| Demand Met during Evening Peak hrs(MW) (at 1900 hrs; from RLDCs) | 42162 | 46785 | 45818 | 19991 | 2405 | 157160 |
| Peak Shortage (MW) | 1273 | 11 | 0 | 0 | 59 | 1343 |
| Energy Met (MU) | 915 | 1141 | 1079 | 423 | 38 | 3597 |
| Hydro Gen(MU) | 96 | 24 | 83 | 34 | 7 | 244 |
| Wind Gen(MU) | 5 | 43 | 29 | | | 76 |
| Solar Gen (MU)* | 7.30 | 20.88 | 54.09 | 0.86 | 0.02 | 83 |
| Energy Shortage (MU) | 11.1 | 0.0 | 0.0 | 0.0 | 0.4 | 11.5 |
| Maximum Demand Met during the day (MW) (from NLDC SCADA) | 44200 | 50304 | 46888 | 20502 | 2425 | 160447 |

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 |
| | | | | | | | |

| Power Supply Pos | tion in States | Max. Demand Met | Shortage during | | | | | |
|------------------|-------------------|---------------------|------------------------|-----------------|-------------------------|---------------------|----------------|------------------------|
| RegionRegion | States | during the day (MW) | maximum Demand (MW) | Energy Met (MU) | Drawal Schedule (MU) | OD(+)/UD(-) (MU) | Max OD (MW) | Energy Shortage (MI |
| | Punjab | 6018 | 0 | 127.9 | 34.4 | -0.3 | 109 | 0.0 |
| NR | Haryana | 6197 | 178 | 122.8 | 43.7 | 1.6 | 205 | 0.7 |
| | Rajasthan | 9028 | 0 | 180.6 | 45.5 | 1.4 | 469 | 0.0 |
| | Delhi | 3654 | 0 | 75.0 | 64.2 | -0.9 | 168 | 0.1 |
| | UP | 14770 | 795 | 305.7 | 108.2 | 1.7 | 647 | 0.3 |
| | Uttarakhand | 1821 | 0 | 36.2 | 27.7 | 1.0 | 186 | 0.0 |
| | HP | 1354 | 0 | 25.3 | 18.3 | 1.0 | 279 | 0.5 |
| | J&K | 1968 | 492 | 38.2 | 37.4 | -3.6 | 174 | 9.5 |
| | Chandigarh | 186 | 0 | 3.5 | 3.3 | 0.2 | 35 | 0.0 |
| | Chhattisgarh | 3838 | 0 | 86.9 | 16.6 | -1.9 | 48 | 0.0 |
| | Gujarat | 15105 | 0 | 340.2 | 174.4 | 4.1 | 464 | 0.0 |
| | MP | 8745 | 0 | 179.2 | 78.2 | -10.5 | 305 | 0.0 |
| WR | Maharashtra | 22449 | 0 | 488.5 | 151.6 | 3.8 | 238 | 0.0 |
| VVK | Goa | 519 | 0 | 10.5 | 10.4 | -0.6 | 74 | 0.0 |
| | DD | 331 | 0 | 7.5 | 6.4 | 1.1 | 109 | 0.0 |
| | DNH | 748 | 0 | 17.6 | 16.4 | 1.1 | 113 | 0.0 |
| | Essar steel | 545 | 0 | 11.0 | 10.6 | 0.3 | 245 | 0.0 |
| | Andhra Pradesh | 8844 | 0 | 185.2 | 49.5 | -1.0 | 420 | 0.0 |
| | Telangana | 9934 | 0 | 221.3 | 106.0 | -1.0 | 231 | 0.0 |
| SR | Karnataka | 10802 | 0 | 241.2 | 83.5 | -0.3 | 318 | 0.0 |
| Jii | Kerala | 3874 | 0 | 80.0 | 53.2 | 1.7 | 249 | 0.0 |
| | Tamil Nadu | 15137 | 0 | 344.1 | 170.6 | 1.6 | 432 | 0.0 |
| | Pondy | 360 | 0 | 7.7 | 8.0 | -0.4 | 33 | 0.0 |
| | Bihar | 4443 | 0 | 82.6 | 74.4 | -1.5 | 250 | 0.0 |
| | DVC | 3264 | 0 | 70.1 | -59.0 | -0.3 | 100 | 0.0 |
| ER | Jharkhand | 1082 | 0 | 23.9 | 14.6 | 1.2 | 250 | 0.0 |
| L.N | Odisha | 4139 | 0 | 82.3 | 29.5 | 1.7 | 300 | 0.0 |
| | West Bengal | 8641 | 0 | 163.0 | 43.5 | 3.9 | 700 | 0.0 |
| | Sikkim | 101 | 0 | 1.3 | 1.3 | 0.0 | 25 | 0.0 |
| | Arunachal Pradesh | 112 | 3 | 2.1 | 1.7 | 0.4 | 65 | 0.0 |
| | Assam | 1436 | 22 | 21.3 | 18.7 | 0.9 | 95 | 0.3 |
| | Manipur | 172 | 2 | 2.3 | 2.4 | -0.1 | 24 | 0.0 |
| NER | Meghalaya | 291 | 0 | 4.9 | 3.6 | 0.1 | 45 | 0.0 |
| | Mizoram | 81 | 3 | 1.5 | 1.2 | 0.2 | 10 | 0.0 |
| | Nagaland | 119 | 1 | 2.1 | 1.9 | 0.1 | 30 | 0.0 |
| | Tripura | 245 | 3 | 4.0 | 3.6 | 0.4 | 50 | 0.0 |

 $\textbf{D. Transnational Exchanges} \ \ (\textbf{MU}) \textbf{- Import} (+\textbf{ve}) / \textbf{Export} (-\textbf{ve})$

| <u> </u> | Bhutan | Nepal | Bangladesh |
|---------------|--------|--------|------------|
| Actual(MU) | 0.9 | -10.9 | -14.8 |
| Day peak (MW) | 119.9 | -510.0 | -646.8 |

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

| | NR | WR | SR | ER | NER | TOTAL |
|--------------|-------|--------|-------|-------|-----|-------|
| Schedule(MU) | 157.7 | -174.1 | 94.5 | -80.3 | 2.8 | 0.5 |
| Actual(MU) | 154.2 | -178.7 | 84.1 | -67.1 | 4.1 | -3.3 |
| O/D/U/D(MU) | -3.5 | -4.6 | -10.4 | 13.3 | 1.3 | -3.9 |

F. Generation Outage(MW)

| | NR | WR | SR | ER | NER | Total |
|----------------|-------|-------|------|------|-----|-------|
| Central Sector | 5770 | 13171 | 5902 | 1505 | 495 | 26843 |
| State Sector | 8720 | 16615 | 2990 | 3715 | 50 | 32090 |
| Total | 14490 | 29786 | 8892 | 5220 | 544 | 58933 |

G. Sourcewise generation (MU)

| | NR | WR | SR | ER | NER | Total |
|-------------------------------------|-----|------|------|-----|-----|-------|
| Thermal (Coal & Lignite) | 588 | 1172 | 730 | 483 | 10 | 2984 |
| Hydro | 96 | 24 | 83 | 34 | 7 | 244 |
| Nuclear | 27 | 23 | 46 | 0 | 0 | 97 |
| Gas, Naptha & Diesel | 27 | 60 | 21 | 0 | 21 | 129 |
| RES (Wind, Solar, Biomass & Others) | 41 | 63 | 124 | 2 | 0 | 231 |
| Total | 779 | 1342 | 1005 | 519 | 39 | 3684 |

| | | INTE | R-REGI | ONAL EXC | CHANGES | Date of 1 | Reporting : | 29-Mar-18 |
|--|--|---|---|---|--|--|---|--|
| | | | | | | Duit of I | porting . | |
| | | | | | | | | Import=(+ve) /Export =(-ve) for NET (MU) |
| Sl No | Voltage | Line Details | Circuit | Max Import (MW) | Max Export (MW) | Import (MU) | Export | NET |
| Import/F | Level Export of l | ER (With NR) | | () | | | (MU) | (MU) |
| 1 | F | GAYA-VARANASI | D/C | 0 | 301 | 0.0 | 4.7 | -4.7 |
| 2 | 765kV | SASARAM-FATEHPUR | S/C | 0 | 829 | 0.4 | 0.0 | 0.4 |
| 3 | | GAYA-BALIA ALIPURDUAR-AGRA | S/C | 0 | 405 | 0.0 | 8.0 12.1 | -8.0 -12.1 |
| 5 | HVDC | PUSAULI B/B | S/C | 0 | 193 | 0.0 | 0.0 | 0.0 |
| 6 | | PUSAULI-VARANASI | S/C | 0 | 129 | 0.0 | 0.0 | 0.0 |
| 7 | | PUSAULI -ALLAHABAD | S/C | 0 | 77 | 1.6 | 0.0 | 1.6 |
| 8 | 400.1. | MUZAFFARPUR-GORAKHPUR | D/C | 0 | 342 | 0.0 | 1.7 | -1.7 |
| 9 | 400 kV | PATNA-BALIA | Q/C D/C | 0 | 688 222 | 0.0 | 12.5 | -12.5 -4.3 |
| 10 11 | - | BIHARSHARIFF-BALIA MOTIHARI-GORAKHPUR | D/C D/C | 0 | 231 | 0.0 | 4.3 | -4.3 -4.3 |
| 12 | 1 | BIHARSHARIFF-VARANASI | D/C | 0 | 417 | 0.0 | 1.2 | -1.2 |
| 13 | 220 kV | PUSAULI-SAHUPURI | S/C | 0 | 173 | 0.0 | 3.3 | -3.3 |
| 14 | | SONE NAGAR-RIHAND | S/C | 0 | 0 | 0.0 | 0.0 | 0.0 |
| 15 | 132 kV | GARWAH-RIHAND | S/C | 0 | 0 | 0.7 | 0.0 | 0.7 |
| 16 | 102 87 | KARMANASA-SAHUPURI | S/C | 0 | 0 | 0.0 | 0.0 | 0.0 |
| 17 | <u> </u> | KARMANASA-CHANDAULI | S/C | 0 | 0 ED ND | 0.0 | 0.0 | 0.0 |
| Import/E | Export of 1 | ER (With WR) | | | ER-NR | 2.7 | 52.1 | -49.4 |
| 18 | 765 kV | JHARSUGUDA-DHARAMJAIGARH S/C | D/C | 0 | 0 | 12.5 | 0.0 | 12.5 |
| 19 | /03 KV | NEW RANCHI-DHARAMJAIGARH | D/C | 0 | 380 | 2.9 | 0.0 | 2.9 |
| 20 | 400 kV | JHARSUGUDA-RAIGARH | Q/C | 0 | 198 | 5.0 | 0.0 | 5.0 |
| 21 | | RANCHI-SIPAT | D/C | 0 | 62 | 3.1 | 0.0 | 3.1 |
| 22 | 220 kV | BUDHIPADAR-RAIGARH | S/C | 0 | 83 | 0.0 | 0.7 | -0.7 |
| 23 | | BUDHIPADAR-KORBA | D/C | Ü | ER-WR | 4.2 27.7 | 0.0 0.7 | 4.2 27.0 |
| _ | | ER (With SR) | 1 | | | | | , |
| 24 | | ANGUL-SRIKAKULAM | D/C | 0.0 | 0.0 | 0.0 | 24.4 | -24.4 |
| 25 26 | HVDC LINK | JEYPORE-GAZUWAKA B/B TALCHER-KOLAR BIPOLE | D/C D/C | 0.0 | 338.9 2254.0 | 0.0 | 15.0 46.2 | -15.0 -46.2 |
| 27 | 400 kV | TALCHER-I/C | D/C | 0.0 | 503.0 | 2.4 | 7.0 | -46.2 |
| 28 | 220 kV | BALIMELA-UPPER-SILERRU | S/C | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 40 | | | | | | | | |
| | ı | | | | ER-SR | 0.0 | 85.6 | -85.6 |
| Import/E | ı | ER (With NER) | | 0 | ER-SR | 0.0 | 85.6 | -85.6 |
| Import/E | ı | ER (With NER) BINAGURI-BONGAIGAON | D/C | 0 | ER-SR 1042 | 0.0 | | -85.6 -5 |
| Import/E | Export of | ER (With NER) BINAGURI-BONGAIGAON ALIPURDUAR-BONGAIGAON | | 0 0 0 | ER-SR | 0.0 | 85.6 | -85.6 |
| 29 30 31 | Export of 400 kV 220 kV | ER (With NER) BINAGURI-BONGAIGAON ALIPURDUAR-BONGAIGAON ALIPURDUAR-SALAKATI | D/C D/C | 0 | 1042 892 | 0.0 | 85.6 5.1 | -85.6 -5 4 |
| 29 30 31 Import/E | Export of 400 kV 220 kV Export of 1 | ER (With NER) BINAGURI-BONGAIGAON ALIPURDUAR-BONGAIGAON ALIPURDUAR-SALAKATI NER (With NR) | D/C D/C D/C | 0 | 1042 892 0 ER-NER | 0.0 3.9 0.0 3.9 | 5.1 1.5 6.5 | -85.6 -5 4 -1 -2.6 |
| 29 30 31 | Export of 400 kV 220 kV Export of 1 | ER (With NER) BINAGURI-BONGAIGAON ALIPURDUAR-BONGAIGAON ALIPURDUAR-SALAKATI | D/C D/C | 0 | 1042 892 0 ER-NER | 0.0 3.9 0.0 3.9 0.0 | 5.1 1.5 6.5 | -85.6 -5 4 -1 -2.6 |
| Import/E 29 30 31 Import/E 32 | Export of 400 kV 220 kV Export of 1 HVDC | ER (With NER) BINAGURI-BONGAIGAON ALIPURDUAR-BONGAIGAON ALIPURDUAR-SALAKATI NER (With NR) | D/C D/C D/C | 0 | 1042 892 0 ER-NER | 0.0 3.9 0.0 3.9 | 5.1 1.5 6.5 | -85.6 -5 4 -1 -2.6 |
| Import/E 29 30 31 Import/E 32 | Export of 400 kV 220 kV Export of 1 HVDC | ER (With NER) BINAGURI-BONGAIGAON ALIPURDUAR-BONGAIGAON ALIPURDUAR-SALAKATI NER (With NR) BISWANATH CHARIALI-AGRA | D/C D/C D/C | 0 | 1042 892 0 ER-NER | 0.0 3.9 0.0 3.9 0.0 | 5.1 1.5 6.5 | -85.6 -5 4 -1 -2.6 |
| Import/E 29 30 31 Import/E 32 | Export of 400 kV 220 kV Export of 1 HVDC | ER (With NER) BINAGURI-BONGAIGAON ALIPURDUAR-BONGAIGAON ALIPURDUAR-SALAKATI NER (With NR) BISWANATH CHARIALI-AGRA WR (With NR) | D/C D/C D/C | 0 0 | ER-SR 1042 892 0 ER-NER 0 NER-NR | 0.0 3.9 0.0 3.9 0.0 0.0 0.0 | 5.1 1.5 6.5 0.0 | -85.6 -5 4 -1 -2.6 0.0 0.0 |
| Import/E 29 30 31 Import/E 32 Import/E 33 | Export of 1 400 kV 220 kV Export of 1 HVDC | ER (With NER) BINAGURI-BONGAIGAON ALIPURDUAR-BONGAIGAON ALIPURDUAR-SALAKATI NER (With NR) BISWANATH CHARIALI-AGRA WR (With NR) CHAMPA-KURUKSHETRA VCHAL B/B APL -MHG | D/C D/C D/C | 0 0 0 25 150 0 | ER-SR 1042 892 0 ER-NER 0 NER-NR | 0.0 0.0 3.9 0.0 3.9 0.0 0.0 0.0 0.0 | 5.1 1.5 6.5 0.0 0.0 51.6 4.3 7.4 | -85.6 -5 4 -1 -2.6 0.0 0.0 -51.6 -3.9 -7.4 |
| Import/E 29 30 31 Import/E 32 Import/E 33 34 35 36 | Export of 400 kV 220 kV Export of I HVDC HVDC | ER (With NER) BINAGURI-BONGAIGAON ALIPURDUAR-BONGAIGAON ALIPURDUAR-SALAKATI NER (With NR) BISWANATH CHARIALI-AGRA WR (With NR) CHAMPA-KURUKSHETRA VCHAL B/B APL -MHG GWALIOR-AGRA | D/C D/C | 0 0 0 25 150 0 | 1042 892 0 ER-NER 0 NER-NR 1394 200 307 2266 | 0.0 0.0 3.9 0.0 3.9 0.0 0.0 0.0 0.0 0.0 | 5.1 1.5 6.5 0.0 0.0 51.6 4.3 7.4 43.2 | -85.6 -5 4 -1 -2.6 0.0 0.0 -51.6 -3.9 -7.4 -43.2 |
| Import/E 29 30 31 Import/E 32 Import/E 33 34 35 36 37 | Export of 1 400 kV 220 kV Export of 1 HVDC | ER (With NER) BINAGURI-BONGAIGAON ALIPURDUAR-BONGAIGAON ALIPURDUAR-SALAKATI NER (With NR) BISWANATH CHARIALI-AGRA WR (With NR) CHAMPA-KURUKSHETRA VCHAL B/B APL-MHG GWALIOR-AGRA PHAGI-GWALIOR | D/C D/C | 0 0 0 25 150 0 0 486 | 0 NER-NR 1394 200 307 2266 930 | 0.0 0.0 3.9 0.0 3.9 0.0 0.0 0.0 0.0 0.0 0.0 0.0 | 5.1 1.5 6.5 0.0 0.0 51.6 4.3 7.4 43.2 15.9 | -85.6 -5 4 -1 -2.6 0.0 0.0 -51.6 -3.9 -7.4 -43.2 -15.9 |
| Import/E 29 30 31 Import/E 32 Import/E 33 34 35 36 37 38 | Export of 400 kV 220 kV Export of I HVDC HVDC | ER (With NER) BINAGURI-BONGAIGAON ALIPURDUAR-BONGAIGAON ALIPURDUAR-SALAKATI NER (With NR) BISWANATH CHARIALI-AGRA WR (With NR) CHAMPA-KURUKSHETRA VCHALB/B APL -MHG GWALIOR-AGRA PHAGI-GWALIOR JABALPUR-ORAI | D/C | 0 0 0 25 150 0 0 486 | 0 NER-NR 1394 200 307 2266 930 1315 | 0.0 0.0 3.9 0.0 3.9 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0 | 5.1 1.5 6.5 0.0 0.0 51.6 4.3 7.4 43.2 15.9 22.6 | -85.6 -5 4 -1 -2.6 0.0 0.0 -51.6 -3.9 -7.4 -43.2 -15.9 -22.6 |
| Import/E 29 30 31 Import/E 32 Import/E 33 34 35 36 37 38 39 | Export of 400 kV 220 kV Export of I HVDC Export of V HVDC | ER (With NER) BINAGURI-BONGAIGAON ALIPURDUAR-BONGAIGAON ALIPURDUAR-SALAKATI NER (With NR) BISWANATH CHARIALI-AGRA WR (With NR) CHAMPA-KURUKSHETRA VCHAL B/B APL -MHG GWALIOR-AGRA PHAGI-GWALIOR JABALPUR-ORAI ZERDA-KANKROLI | D/C | 0 0 0 25 150 0 0 486 0 413 | 0 NER-NR 1394 200 307 2266 930 1315 0 | 0.0 0.0 3.9 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0 | 5.1 1.5 6.5 0.0 0.0 51.6 4.3 7.4 43.2 15.9 22.6 0.0 | -85.6 -5 4 -1 -2.6 0.0 0.0 -51.6 -3.9 -7.4 -43.2 -15.9 -22.6 7.4 |
| Import/E 29 30 31 Import/E 32 Import/E 33 34 35 36 37 38 | Export of 400 kV 220 kV Export of I HVDC HVDC | ER (With NER) BINAGURI-BONGAIGAON ALIPURDUAR-BONGAIGAON ALIPURDUAR-SALAKATI NER (With NR) BISWANATH CHARIALI-AGRA WR (With NR) CHAMPA-KURUKSHETRA VCHALB/B APL -MHG GWALIOR-AGRA PHAGI-GWALIOR JABALPUR-ORAI | D/C | 0 0 0 25 150 0 0 486 | 0 NER-NR 1394 200 307 2266 930 1315 | 0.0 0.0 3.9 0.0 3.9 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0 | 5.1 1.5 6.5 0.0 0.0 51.6 4.3 7.4 43.2 15.9 22.6 | -85.6 -5 4 -1 -2.6 0.0 0.0 -51.6 -3.9 -7.4 -43.2 -15.9 -22.6 |
| Import/E 29 30 31 Import/E 32 Import/E 33 34 35 36 37 38 39 40 | Export of 400 kV 220 kV Export of I HVDC Export of V HVDC | ER (With NER) BINAGURI-BONGAIGAON ALIPURDUAR-BONGAIGAON ALIPURDUAR-SALAKATI NER (With NR) BISWANATH CHARIALI-AGRA WR (With NR) CHAMPA-KURUKSHETRA VCHAL B/B APL-MHG GWALIOR-AGRA PHAGI-GWALIOR JABALPUR-ORAI ZERDA-KANKROLI ZERDA-BHINMAL | D/C | 0 0 0 25 150 0 0 486 0 413 376 | 1042 892 0 ER-NER 0 NER-NR 1394 200 307 2266 930 1315 0 | 0.0 3.9 0.0 3.9 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.7.4 5.9 | 5.1 1.5 6.5 0.0 0.0 51.6 4.3 7.4 43.2 15.9 22.6 0.0 0.0 | -85.6 -5 4 -1 -2.6 0.0 0.0 -51.6 -3.9 -7.4 -43.2 -15.9 -22.6 7.4 5.9 |
| Import/E 29 30 31 Import/E 32 Import/E 33 34 35 36 37 38 39 40 41 | Export of 400 kV 220 kV Export of I HVDC Export of V HVDC | ER (With NER) BINAGURI-BONGAIGAON ALIPURDUAR-BONGAIGAON ALIPURDUAR-SALAKATI NER (With NR) BISWANATH CHARIALI-AGRA WR (With NR) CHAMPA-KURUKSHETRA V'CHAL B/B APL-MHG GWALIOR-AGRA PHAGI-GWALIOR JABALPUR-ORAI ZERDA-KANKROLI ZERDA -BHINMAL V'CHAL -RIHAND | D/C S/C D/C D/C | 0 0 0 25 150 0 0 486 0 413 376 974 | 1042 892 0 ER-NER 0 NER-NR 1394 200 307 2266 930 1315 0 | 0.0 0.0 3.9 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0 | 5.1 1.5 6.5 0.0 0.0 51.6 4.3 7.4 43.2 15.9 0.0 0.0 0.0 | -85.6 -5 4 -1 -2.6 0.0 0.0 -51.6 -3.9 -7.4 -43.2 -15.9 -22.6 7.4 5.9 22.7 |
| Import/E 29 30 31 Import/E 32 Import/E 33 34 35 36 37 38 39 40 41 42 43 44 | Export of 400 kV 220 kV Export of I HVDC Export of V HVDC | ER (With NER) BINAGURI-BONGAIGAON ALIPURDUAR-BONGAIGAON ALIPURDUAR-SALAKATI NER (With NR) BISWANATH CHARIALI-AGRA WR (With NR) CHAMPA-KURUKSHETRA VCHAL B/B APL -MHG GWALIOR-AGRA PHAGI-GWALIOR JABALPUR-ORAI ZERDA-KANKROLI ZERDA-BHINMAL VCHAL -RIHAND RAPP-SHUALPUR BADOD-KOTA BADOD-MORAK | D/C S/C S/C | 0 0 0 25 150 0 0 486 0 413 376 974 23 107 63 | 1042 892 0 ER-NER 0 NER-NR 1394 200 307 2266 930 1315 0 0 286 0 | 0.0 0.0 3.9 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0 | 5.1 0.0 0.0 0.0 51.6 4.3 7.4 43.2 15.9 22.6 0.0 0.0 0.0 1 | -85.6 -5 4 -1 -2.6 0.0 0.0 -51.6 -3.9 -7.4 -43.2 -15.9 -22.6 7.4 5.9 22.7 -1 1.3 0.2 |
| Import/E 29 30 31 Import/E 32 Import/E 33 34 35 36 37 38 39 40 41 42 43 44 45 | Export of 400 kV 220 kV Export of 1 HVDC Approximately 10 to 1 | ER (With NER) BINAGURI-BONGAIGAON ALIPURDUAR-BONGAIGAON ALIPURDUAR-SALAKATI NER (With NR) BISWANATH CHARIALI-AGRA WR (With NR) CHAMPA-KURUKSHETRA V'CHAL B/B APL -MHG GWALIOR-AGRA PHAGI-GWALIOR JABALPUR-ORAI ZERDA-KANKROLI ZERDA-BHINMAL V'CHAL -RIHAND RAPP-SHUJALPUR BADOD-KOTA BADOD-MORAK MEHGAON-AURAIYA | D/C | 0 0 0 0 25 150 0 0 486 0 413 376 974 23 107 63 73 | 0 NER-NR 1394 200 307 2266 930 1315 0 0 286 0 17 | 0.0 0.0 3.9 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0 | 5.1 0.0 0.0 0.0 51.6 4.3 7.4 43.2 15.9 22.6 0.0 0.0 0.0 0.0 0.0 | -85.6 -5 4 -1 -2.6 0.0 0.0 -51.6 -3.9 -7.4 -43.2 -15.9 -22.6 7.4 5.9 22.7 -1 1.3 0.2 1.0 |
| Import/E 29 30 31 Import/E 32 Import/E 33 34 35 36 37 38 39 40 41 42 43 44 45 46 | Export of 400 kV 220 kV Export of 1 HVDC Avort of 1 Avort of V 765 kV 400 kV | ER (With NER) BINAGURI-BONGAIGAON ALIPURDUAR-BONGAIGAON ALIPURDUAR-SALAKATI VER (With NR) BISWANATH CHARIALI-AGRA WR (With NR) CHAMPA-KURUKSHETRA VCHAL B/B APL -MHG GWALIOR-AGRA PHAGI-GWALIOR JABALPUR-ORAI ZERDA-KANKROLI ZERDA-BHINMAL VCHAL -RIHAND RAPP-SHUJALPUR BADOD-KOTA BADOD-KOTA BADOD-MORAK MEHGAON-AURAIYA MALANPUR-AURAIYA | D/C | 0 0 0 25 150 0 0 486 0 413 376 974 23 107 63 73 42 | ER-SR 1042 892 0 ER-NER 0 NER-NR 1394 200 307 2266 930 1315 0 0 0 286 0 17 0 0 | 0.0 0.0 3.9 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0 | 5.1 1.5 6.5 0.0 0.0 51.6 4.3 7.4 43.2 15.9 22.6 0.0 0.0 0.0 0.0 0.0 0.0 | -85.6 -5 4 -1 -2.6 0.0 0.0 -51.6 -3.9 -7.4 -43.2 -15.9 -22.6 7.4 5.9 22.7 -1 1.3 0.2 1.0 0.3 |
| Import/E 29 30 31 Import/E 32 Import/E 33 34 35 36 37 38 39 40 41 42 43 44 45 | Export of 400 kV 220 kV Export of 1 HVDC Approximately 10 to 1 | ER (With NER) BINAGURI-BONGAIGAON ALIPURDUAR-BONGAIGAON ALIPURDUAR-SALAKATI NER (With NR) BISWANATH CHARIALI-AGRA WR (With NR) CHAMPA-KURUKSHETRA V'CHAL B/B APL -MHG GWALIOR-AGRA PHAGI-GWALIOR JABALPUR-ORAI ZERDA-KANKROLI ZERDA-BHINMAL V'CHAL -RIHAND RAPP-SHUJALPUR BADOD-KOTA BADOD-MORAK MEHGAON-AURAIYA | D/C | 0 0 0 0 25 150 0 0 486 0 413 376 974 23 107 63 73 | 1042 892 0 ER-NER 0 NER-NR 1394 200 307 2266 930 1315 0 0 286 0 17 0 0 0 | 0.0 0.0 3.9 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0 | 5.1 1.5 6.5 0.0 0.0 51.6 4.3 7.4 43.2 15.9 22.6 0.0 0.0 0.0 0.0 0.0 0.0 0.0 | -85.6 -5 4 -1 -2.6 0.0 0.0 -51.6 -3.9 -7.4 -43.2 -15.9 -22.6 7.4 5.9 22.7 -1 1.3 0.2 1.0 0.3 0.0 |
| Import/E 29 30 31 Import/E 32 Import/E 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 | Export of 400 kV 220 kV Export of Y HVDC 765 kV 400 kV 220 kV | ER (With NER) BINAGURI-BONGAIGAON ALIPURDUAR-BONGAIGAON ALIPURDUAR-SALAKATI VER (With NR) BISWANATH CHARIALI-AGRA WR (With NR) CHAMPA-KURUKSHETRA VCHAL B/B APL -MHG GWALIOR-AGRA PHAGI-GWALIOR JABALPUR-ORAI ZERDA-KANKROLI ZERDA-BHINMAL VCHAL -RIHAND RAPP-SHUJALPUR BADOD-KOTA BADOD-KOTA BADOD-MORAK MEHGAON-AURAIYA MALANPUR-AURAIYA | D/C | 0 0 0 25 150 0 0 486 0 413 376 974 23 107 63 73 42 | ER-SR 1042 892 0 ER-NER 0 NER-NR 1394 200 307 2266 930 1315 0 0 0 286 0 17 0 0 | 0.0 0.0 3.9 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0 | 5.1 1.5 6.5 0.0 0.0 51.6 4.3 7.4 43.2 15.9 22.6 0.0 0.0 0.0 0.0 0.0 0.0 | -85.6 -5 4 -1 -2.6 0.0 0.0 -51.6 -3.9 -7.4 -43.2 -15.9 -22.6 7.4 5.9 22.7 -1 1.3 0.2 1.0 0.3 |
| Import/E 29 30 31 Import/E 32 Import/E 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 | Export of 400 kV 220 kV Export of Y HVDC 765 kV 400 kV 220 kV | ER (With NER) BINAGURI-BONGAIGAON ALIPURDUAR-BONGAIGAON ALIPURDUAR-SALAKATI NER (With NR) BISWANATH CHARIALI-AGRA WR (With NR) CHAMPA-KURUKSHETRA VCHAL B/B APL -MHG GWALIOR-AGRA PHAGI-GWALIOR JABALPUR-ORAI ZERDA-KANKROLI ZERDA-SHUMAL VCHAL -RIHAND RAPP-SHUJALPUR BADOD-KOTA BADOD-MORAK MEHGAON-AURAIYA MALANPUR-AURAIYA GWALIOR-SAWAI MADHOPUR | D/C | 0 0 0 25 150 0 0 486 0 413 376 974 23 107 63 73 42 | 1042 892 0 ER-NER 0 NER-NR 1394 200 307 2266 930 1315 0 0 286 0 17 0 0 0 | 0.0 0.0 3.9 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0 | 5.1 1.5 6.5 0.0 0.0 51.6 4.3 7.4 43.2 15.9 22.6 0.0 0.0 0.0 0.0 0.0 0.0 0.0 | -85.6 -5 4 -1 -2.6 0.0 0.0 -51.6 -3.9 -7.4 -43.2 -15.9 -22.6 7.4 5.9 22.7 -1 1.3 0.2 1.0 0.3 0.0 |
| Import/E 29 30 31 Import/E 32 Import/E 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 Import/E | Export of 400 kV 220 kV Export of Y HVDC 765 kV 400 kV 220 kV | ER (With NER) BINAGURI-BONGAIGAON ALIPURDUAR-BONGAIGAON ALIPURDUAR-SALAKATI NER (With NR) BISWANATH CHARIALI-AGRA WR (With NR) CHAMPA-KURUKSHETRA VCHAL B/B APL -MHG GWALIOR-AGRA PHAGI-GWALIOR JABALPUR-ORAI ZERDA-BHINMAL VCHAL -BHIAND RAPP-SHUJALPUR BADOD-KOTA BADOD-KOTA BADOD-MORAK MEHGAON-AURAIYA MALANPUR-AURAIYA GWALIOR-SAWAI MADHOPUR WR (With SR) | D/C | 0 0 0 0 25 150 0 0 486 0 413 376 974 23 107 63 73 42 0 | ER-SR 1042 892 0 ER-NER 0 NER-NR 1394 200 307 2266 930 1315 0 0 0 286 0 17 0 0 WR-NR | 0.0 0.0 3.9 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0 | 5.1 1.5 6.5 0.0 0.0 0.0 51.6 4.3 7.4 43.2 15.9 22.6 0.0 0.0 0.0 1 0.0 0.0 1 0.0 0.0 | -85.6 -5 4 -1 -2.6 0.0 0.0 -51.6 -3.9 -7.4 -43.2 -15.9 -22.6 7.4 5.9 22.7 -1 1.3 0.2 1.0 0.3 0.0 -106.6 |
| Import/E 29 30 31 Import/E 32 Import/E 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 Import/E 48 49 | Export of 400 kV 220 kV Export of Y HVDC 765 kV 400 kV 220 kV 132kV Export of Y HVDC LINK | ER (With NER) BINAGURI-BONGAIGAON ALIPURDUAR-BONGAIGAON ALIPURDUAR-SALAKATI NER (With NR) BISWANATH CHARIALI-AGRA WR (With NR) CHAMPA-KURUKSHETRA VCHAL B/B APL-MHG GWALIOR-AGRA PHAGI-GWALIOR JABALPUR-ORAI ZERDA-KANKROLI ZERDA-BHINMAL VCHAL-RIHAND RAPP-SHUJALPUR BADOD-KOTA BADOD-MORAK MEHGAON-AURAIYA MALANPUR-AURAIYA GWALIOR-SAWAI MADHOPUR WR (With SR) BHADRAWATI B/B BARSUR-L.SILERU SOLAPUR-RAICHUR | D/C | 0 0 0 0 25 150 0 0 486 0 413 376 974 23 107 63 73 42 0 | ER-SR 1042 892 0 ER-NER 0 NER-NR 1394 200 307 2266 930 1315 0 0 286 0 17 0 0 WR-NR 1000 0 872 | 0.0 0.0 3.9 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0 | 5.1 1.5 6.5 0.0 0.0 0.0 51.6 4.3 7.4 43.2 15.9 22.6 0.0 0.0 0.0 0.0 1 0.0 0.0 1 0.0 0.0 4.8 | -85.6 -5 4 -1 -2.6 0.0 0.0 -51.6 -3.9 -7.4 -43.2 -15.9 -22.6 7.4 5.9 22.7 -1 1.3 0.2 1.0 0.3 0.0 -106.6 |
| Import/E 29 30 31 Import/E 32 Import/E 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 Import/E 48 49 50 51 | Export of 400 kV 220 kV Export of 1 HVDC 765 kV 400 kV 220 kV 400 kV 400 kV 132kV Export of 1 HVDC The first f | ER (With NER) BINAGURI-BONGAIGAON ALIPURDUAR-BONGAIGAON ALIPURDUAR-SALAKATI VER (With NR) BISWANATH CHARIALI-AGRA WR (With NR) CHAMPA-KURUKSHETRA VCHAL B/B APL -MHG GWALIOR-AGRA PHAGI-GWALIOR JABALPUR-ORAI ZERDA-KANKROLI ZERDA-BHINMAL VCHAL -RIHAND RAPP-SHUJALPUR BADOD-KOTA BADOD-MORAK MEHGAON-AURAIYA MALANPUR-AURAIYA GWALIOR-SAWAI MADHOPUR WR (With SR) BHADRAWATI B/B BARSUR-L.SILERU SOLAPUR-RAICHUR WARDHA-NIZAMABAD | D/C S/C S/C | 0 0 0 0 25 150 0 0 486 0 413 376 974 23 107 63 73 42 0 | ER-SR 1042 892 0 ER-NER 0 NER-NR 1394 200 307 2266 930 1315 0 0 286 0 17 0 0 WR-NR 1000 0 872 1846 | 0.0 0.0 3.9 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0 | 5.1 1.5 6.5 0.0 0.0 51.6 4.3 7.4 43.2 15.9 22.6 0.0 0.0 0.0 0.0 1 1.5 4.8 28.0 | -85.6 -5 4 -1 -2.6 0.0 0.0 -51.6 -3.9 -7.4 -43.2 -15.9 -22.6 7.4 5.9 22.7 -1 1.3 0.2 1.0 0.3 0.0 -106.6 |
| Import/E 29 30 31 Import/E 32 Import/E 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 Import/E 48 49 50 51 52 | Export of 400 kV 220 kV Export of Y HVDC 765 kV 400 kV 220 kV 132kV Export of Y HVDC LINK | ER (With NER) BINAGURI-BONGAIGAON ALIPURDUAR-BONGAIGAON ALIPURDUAR-SALAKATI NER (With NR) BISWANATH CHARIALI-AGRA WR (With NR) CHAMPA-KURUKSHETRA VCHAL B/B APL -MHG GWALIOR-AGRA PHAGI-GWALIOR JABALPUR-ORAI ZERDA-KANKROLI ZERDA-KANKROLI ZERDA-BHINMAL VCHAL -RIHAND RAPP-SHUJALPUR BADOD-KOTA BADOD-MORAK MEHGAON-AURAIYA GWALIOR-SAWAI MADHOPUR WR (With SR) BHADRAWATI B/B BARSUR-L.SILERU SOLAPUR-RAICHUR WARDHA-NIZAMABAD KOLHAPUR-KUDGI | D/C D/C D/C D/C D/C D/C D/C D/C D/C S/C S/C | 0 0 0 0 25 150 0 0 413 376 974 23 107 63 73 42 0 | ER-SR 1042 892 0 ER-NER 0 NER-NR 1394 200 307 2266 930 1315 0 0 0 286 0 17 0 0 WR-NR 1000 0 872 1846 0 | 0.0 0.0 3.9 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0 | 5.1 1.5 6.5 0.0 0.0 0.0 51.6 4.3 7.4 43.2 15.9 22.6 0.0 0.0 0.0 0.0 1 0.0 0.0 4.8 28.0 0.4 | -85.6 -5 4 -1 -2.6 0.0 0.0 -51.6 -3.9 -7.4 -43.2 -15.9 -22.6 7.4 5.9 22.7 -1 1.3 0.2 1.0 0.3 0.0 -106.6 |
| Import/E 29 30 31 Import/E 32 Import/E 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 Import/E 48 49 50 51 52 53 | Export of 1 400 kV 220 kV Export of 1 HVDC Export of V 400 kV 220 kV 132kV Export of V 1400 kV | ER (With NER) BINAGURI-BONGAIGAON ALIPURDUAR-BONGAIGAON ALIPURDUAR-SALAKATI NER (With NR) BISWANATH CHARIALI-AGRA WR (With NR) CHAMPA-KURUKSHETRA VCHAL B/B APL -MHG GWALIOR-AGRA PHAGI-GWALIOR JABALPUR-ORAI ZERDA-SHUNMAL VCHAL-RIHAND RAPP-SHUJALPUR BADOD-KOTA BADOD-KOTA BADOD-MORAK MEHGAON-AURAIYA MALANPUR-AURAIYA GWALIOR-SAWAI MADHOPUR WR (With SR) BHADRAWATI B/B BARSUR-L.SILERU SOLAPUR-RAICHUR WARDHA-NIZAMABAD KOLHAPUR-CHIKODI KOLHAPUR-CHIKODI | D/C D/C D/C D/C D/C D/C S/C S/C | 0 0 0 0 25 150 0 0 486 0 413 376 974 23 107 63 73 42 0 | ER-SR 1042 892 0 ER-NER 0 NER-NE 1394 200 307 2266 930 1315 0 0 0 286 0 17 0 0 WR-NR 1000 0 872 1846 0 0 0 | 0.0 0.0 3.9 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0 | 5.1 1.5 6.5 0.0 0.0 0.0 51.6 4.3 7.4 43.2 15.9 22.6 0.0 0.0 0.0 1 0.0 0.0 1 4.8 22.1 0.0 4.8 28.0 0.4 0.0 | -85.6 -5 4 -1 -2.6 0.0 0.0 0.0 -51.6 -3.9 -7.4 -43.2 -15.9 -22.6 7.4 -5.9 22.7 -1 1.3 0.2 1.0 0.3 0.0 -106.6 -22.1 0.0 -4.8 -28.0 2.9 0.0 |
| Import/E 29 30 31 Import/E 32 Import/E 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 Import/E 48 49 50 51 52 53 54 | Export of 400 kV 220 kV Export of 1 HVDC 765 kV 400 kV 220 kV 400 kV 400 kV 132kV Export of 1 HVDC The first f | ER (With NER) BINAGURI-BONGAIGAON ALIPURDUAR-BONGAIGAON ALIPURDUAR-SALAKATI NER (With NR) BISWANATH CHARIALI-AGRA WR (With NR) CHAMPA-KURUKSHETRA VCHAL B/B APL-MHG GWALIOR-AGRA PHAGI-GWALIOR JABALPUR-ORAI ZERDA-KANKROLI ZERDA-KANKROLI ZERDA-BHINMAL VCHAL BIHAND RAPP-SHUJALPUR BADOD-MORAK MEHGAON-AURAIYA MALANPUR-AURAIYA GWALIOR-SAWAI MADHOPUR WR (With SR) BHADRAWATI B/B BARSUR-L.SILERU SOLAPUR-RICHUR WARDHA-NIZAMABAD KOLHAPUR-CHIKODI FONDA-AMBEWADI | D/C D/C D/C D/C D/C S/C S/C | 0 0 0 0 25 150 0 0 486 0 413 376 974 23 107 63 73 42 0 0 0 680 0 0 | ER-SR 1042 892 0 ER-NER 0 NER-NR 1394 200 307 2266 930 1315 0 0 0 286 0 17 0 0 WR-NR 1000 0 872 1846 0 | 0.0 0.0 3.9 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0 | 5.1 1.5 6.5 0.0 0.0 0.0 51.6 4.3 7.4 43.2 15.9 22.6 0.0 0.0 0.0 1 0.0 1 0.0 0.0 | -85.6 -5 4 -1 -2.6 0.0 0.0 0.0 -51.6 -3.9 -7.4 -43.2 -15.9 -22.6 7.4 5.9 22.7 -1 1.3 0.2 1.0 0.3 0.0 -106.6 -22.1 0.0 -4.8 -28.0 2.9 0.0 0.0 |
| Import/E 29 30 31 Import/E 32 Import/E 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 Import/E 48 49 50 51 52 53 | Export of 1 400 kV 220 kV Export of 1 HVDC Export of V 400 kV 220 kV 132kV Export of V 1400 kV | ER (With NER) BINAGURI-BONGAIGAON ALIPURDUAR-BONGAIGAON ALIPURDUAR-SALAKATI NER (With NR) BISWANATH CHARIALI-AGRA WR (With NR) CHAMPA-KURUKSHETRA VCHAL B/B APL -MHG GWALIOR-AGRA PHAGI-GWALIOR JABALPUR-ORAI ZERDA-SHUNMAL VCHAL-RIHAND RAPP-SHUJALPUR BADOD-KOTA BADOD-KOTA BADOD-MORAK MEHGAON-AURAIYA MALANPUR-AURAIYA GWALIOR-SAWAI MADHOPUR WR (With SR) BHADRAWATI B/B BARSUR-L.SILERU SOLAPUR-RAICHUR WARDHA-NIZAMABAD KOLHAPUR-CHIKODI KOLHAPUR-CHIKODI | D/C D/C D/C D/C D/C D/C S/C S/C | 0 0 0 0 25 150 0 0 486 0 413 376 974 23 107 63 73 42 0 | 872 1042 892 0 ER-NER 0 NER-NER 1394 200 307 2266 930 1315 0 0 286 0 17 0 0 WR-NR 1000 0 872 1846 0 0 0 0 | 0.0 0.0 3.9 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0 | 5.1 1.5 6.5 0.0 0.0 0.0 51.6 4.3 7.4 43.2 15.9 22.6 0.0 0.0 0.0 1 0.0 0.0 1 4.8 22.1 0.0 4.8 28.0 0.4 0.0 | -85.6 -5 4 -1 -2.6 0.0 0.0 0.0 -51.6 -3.9 -7.4 -43.2 -15.9 -22.6 7.4 -5.9 22.7 -1 1.3 0.2 1.0 0.3 0.0 -106.6 -22.1 0.0 -4.8 -28.0 2.9 0.0 |
| Import/E 29 30 31 Import/E 32 Import/E 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 Import/E 48 49 50 51 52 53 54 | Export of 1 400 kV 220 kV Export of 1 HVDC Export of V 400 kV 220 kV 132kV Export of V 1400 kV | ER (With NER) BINAGURI-BONGAIGAON ALIPURDUAR-BONGAIGAON ALIPURDUAR-SALAKATI NER (With NR) BISWANATH CHARIALI-AGRA WR (With NR) CHAMPA-KURUKSHETRA VCHAL B/B APL -MHG GWALIOR-AGRA PHAGI-GWALIOR JABAILPUR-ORAI ZERDA-KANKROLI ZERDA-KANKROLI ZERDA-BHINMAL VCHAL B/HAND RAPP-SHUJALPUR BADOD-MORAK MEHGAON-AURAIYA MALANPUR-AURAIYA GWALIOR-SAWAI MADHOPUR WR (With SR) BHADRAWATI B/B BARSUR-LSILERU SOLAPUR-RAICHUR WARDHA-NIZAMABAD KOLHAPUR-CHIKODI PONDA-AMBEWADI XELDEM-AMBEWADI XELDEM-AMBEWADI XELDEM-AMBEWADI | D/C D/C D/C D/C D/C D/C D/C D/C S/C D/C D/C D/C D/C S/C S/C | 0 0 0 0 25 150 0 0 486 0 413 376 974 23 107 63 73 42 0 0 0 680 0 0 | 872 1042 892 0 ER-NER 0 NER-NR 1394 200 307 2266 930 1315 0 0 286 0 17 0 0 WR-NR 1000 0 WR-NR | 0.0 0.0 3.9 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0 | 5.1 1.5 6.5 0.0 0.0 0.0 51.6 4.3 7.4 43.2 15.9 22.6 0.0 0.0 0.0 1 0.0 1 0.0 0.0 | -85.6 -5 4 -1 -2.6 0.0 0.0 0.0 -51.6 -3.9 -7.4 -43.2 -15.9 -22.6 7.4 5.9 22.7 -1 1.3 0.2 1.0 0.3 0.0 -106.6 -22.1 0.0 -4.8 -28.0 2.9 0.0 0.0 2.2 |
| Import/E 29 30 31 Import/E 32 Import/E 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 Import/E 48 49 50 51 52 53 54 55 | Export of 1 400 kV 220 kV Export of 1 HVDC Export of V 400 kV 220 kV 132kV Export of V 1400 kV | ER (With NER) BINAGURI-BONGAIGAON ALIPURDUAR-BONGAIGAON ALIPURDUAR-SALAKATI NER (With NR) BISWANATH CHARIALI-AGRA WR (With NR) CHAMPA-KURUKSHETRA VCHAL B/B APL -MHG GWALIOR-AGRA PHAGI-GWALIOR JABALPUR-ORAI ZERDA-KANKROLI ZERDA-BHINMAL VCHAL-RIHAND RAPP-SHUALPUR BADOD-KOTA BADOD-MORAK MEHGAON-AURAIYA MALANPUR-AURAIYA GWALIOR-SAWAI MADHOPUR WR (With SR) BHADRAWATI B/B BARSUR-L.SILERU SOLAPUR-RAICHUR WARDHA-NIZAMABAD KOLHAPUR-CHIKODI KOLHAPUR-CHIKODI PONDA-AMBEWADI TRA | D/C D/C D/C D/C D/C D/C D/C D/C S/C D/C D/C D/C D/C S/C S/C | 0 0 0 0 150 0 0 486 0 413 376 974 23 107 63 73 42 0 0 0 680 0 0 | 872 1042 892 0 ER-NER 0 NER-NR 1394 200 307 2266 930 1315 0 0 286 0 17 0 0 WR-NR 1000 0 WR-NR | 0.0 0.0 3.9 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0 | 5.1 1.5 6.5 0.0 0.0 0.0 51.6 4.3 7.4 43.2 15.9 22.6 0.0 0.0 0.0 1 0.0 1 0.0 0.0 | -85.6 -5 4 -1 -2.6 0.0 0.0 -51.6 -3.9 -7.4 -43.2 -15.9 -22.6 7.4 5.9 22.7 -1 1.3 0.2 1.0 0.3 0.0 -106.6 -22.1 0.0 -4.8 -28.0 2.9 0.0 0.0 0.0 2.2 -49.8 |
| Import/E 29 30 31 Import/E 32 Import/E 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 Import/E 48 49 50 51 52 53 54 55 | Export of 1 400 kV 220 kV Export of 1 HVDC Export of V 400 kV 220 kV 132kV Export of V 1400 kV | ER (With NER) BINAGURI-BONGAIGAON ALIPURDUAR-BONGAIGAON ALIPURDUAR-SALAKATI NER (With NR) BISWANATH CHARIALI-AGRA WR (With NR) CHAMPA-KURUKSHETRA VCHAL B/B APL-MHG GWALIOR-AGRA PHAGI-GWALIOR JABALPUR-ORAI ZERDA-KANKROLI ZERDA-BHINMAL VCHAL FILAND RAPP-SHUJALPUR BADOD-MORAK MEHGAON-AURAIYA MALANPUR-AURAIYA GWALIOR-SAWAI MADHOPUR WR (With SR) BHADRAWATI B/B BARSUR-L SILERU SOLAPUR-RAICHUR WARDHA-NIZAMABAD KOLHAPUR-CHIKODI PONDA-AMBEWADI XELDEM-AMBEWADI XELDEM-AMBEWADI | D/C D/C D/C D/C D/C D/C D/C D/C S/C D/C D/C D/C D/C S/C S/C | 0 0 0 0 150 0 0 486 0 413 376 974 23 107 63 73 42 0 0 0 680 0 0 | 872 1042 892 0 ER-NER 0 NER-NR 1394 200 307 2266 930 1315 0 0 286 0 17 0 0 WR-NR 1000 0 WR-NR | 0.0 0.0 3.9 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0 | 5.1 1.5 6.5 0.0 0.0 0.0 51.6 4.3 7.4 43.2 15.9 22.6 0.0 0.0 0.0 1 0.0 1 0.0 0.0 | -85.6 -5 4 -1 -2.6 0.0 0.0 0.0 -51.6 -3.9 -7.4 -43.2 -15.9 -22.6 7.4 5.9 22.7 -1 1.3 0.2 1.0 0.3 0.0 -106.6 -22.1 0.0 -4.8 -28.0 2.9 0.0 0.0 2.2 -49.8 |