

## 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, कृतुब इन्स्टीट्यूशनल एरिया, कटवारिया सराये, न्यू दिल्ली-110016

Ref: POSOCO/NLDC/SO/Daily PSP Report

दिनांक: 13<sup>th</sup> Feb 2020

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. 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. 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 12.02.2020.

महोदय/Dear Sir,

आई॰ई॰जी॰सी॰-2010 की धारा स.-5.5.1 के प्रावधान के अनुसार, दिनांक 12-फरवरी-2020 की अखिल भारतीय प्रणाली की दैनिक ग्रिड निष्पादन रिपोर्ट रा॰भा॰प्रे॰के॰ 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 12<sup>th</sup> Feb 2020, 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 13-Feb-20

A. Power Supply Position at All India and Regional level

|   | NR    | WR    | SR    | ER    | NER   | Total  |
|---|-------|-------|-------|-------|-------|--------|
| Demand Met during Evening Peak hrs(MW) (at 1900 | 47583 | 49786 | 41743 | 17856 | 2435  | 159403 |
| hrs; from RLDCs)                                |       |       |       |       |       | =0.4   |
| Peak Shortage (MW)                              | 565   | 0     | 0     | 0     | 21    | 586    |
| Energy Met (MU)                                 | 1001  | 1216  | 1037  | 371   | 42    | 3666   |
| Hydro Gen (MU)                                  | 132   | 53    | 82    | 31    | 3     | 301    |
| Wind Gen (MU)                                   | 21    | 54    | 70    |       |       | 145    |
| Solar Gen (MU)*                                 | 37.27 | 24.70 | 78.94 | 1.55  | 0.04  | 142    |
| Energy Shortage (MU)                            | 14.7  | 0.0   | 0.0   | 0.0   | 0.7   | 15.3   |
| Maximum Demand Met during the day (MW) & time   | 50781 | 56707 | 49077 | 19057 | 2457  | 173369 |
| (from NLDC SCADA)                               | 09:33 | 09:55 | 07:57 | 19:00 | 18:20 | 09:26  |

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 | 0.040 | 0.00  | 0.24      | 7.14      | 7.38  | 74.34      | 18.28   |

C. Power Supply Position in States

| Region | States                 | Max. Demand<br>Met during the<br>day (MW) | Shortage during<br>maximum<br>Demand (MW) | Energy Met (MU) | Drawal<br>Schedule (MU) | OD(+)/UD(-)<br>(MU) | Max OD<br>(MW) | Energy<br>Shortage (MU |
|--------|------------------------|---|---|-----------------|-------------------------|---------------------|----------------|------------------------|
|        | Punjab                 | 7041                                      | 0   | 134.2           | 70.6                    | -0.2                | 626            | 0.0                    |
|        | Haryana                | 7342                                      | 0   | 137.8           | 87.0                    | 0.5                 | 172            | 0.0                    |
| NR     | Rajasthan              | 14168                                     | 0   | 249.0           | 71.1                    | 2.9                 | 591            | 0.0                    |
|        | Delhi                  | 4149                                      | 0   | 68.8            | 52.7                    | -0.5                | 243            | 0.0                    |
|        | UP                     | 16113                                     | 0   | 288.0           | 122.2                   | -1.3                | 606            | 2.5                    |
|        | Uttarakhand            | 2156                                      | 0   | 38.6            | 19.8                    | 0.2                 | 110            | 0.0                    |
|        | HP                     | 1674                                      | 0   | 28.8            | 22.6                    | -0.9                | 104            | 0.0                    |
|        | J&K(UT) and Ladakh(UT) | 2266                                      | 566                                       | 51.8            | 44.5                    | -0.9                | 243            | 12.2                   |
|        | Chandigarh             | 257                                       | 0   | 3.9             | 3.8                     | 0.1                 | 30             | 0.0                    |
|        | Chhattisgarh           | 3693                                      | 0   | 78.7            | 31.4                    | -0.9                | 303            | 0.0                    |
|        | Gujarat                | 15641                                     | 0   | 341.0           | 93.8                    | 4.4                 | 684            | 0.0                    |
|        | MP                     | 14578                                     | 0   | 271.4           | 132.3                   | -2.7                | 757            | 0.0                    |
| WR     | Maharashtra            | 23225                                     | 0   | 476.8           | 151.1                   | -1.5                | 495            | 0.0                    |
| WK     | Goa                    | 574                                       | 0   | 11.9            | 11.7                    | -0.3                | 42             | 0.0                    |
|        | DD                     | 331                                       | 0   | 7.3             | 6.9                     | 0.4                 | 42             | 0.0                    |
|        | DNH                    | 807                                       | 0   | 18.7            | 18.6                    | 0.1                 | 37             | 0.0                    |
|        | Essar steel            | 746                                       | 0   | 10.2            | 10.9                    | -0.7                | 257            | 0.0                    |
|        | Andhra Pradesh         | 9117                                      | 0   | 186.4           | 69.2                    | -0.6                | 260            | 0.0                    |
|        | Telangana              | 10781                                     | 0   | 216.8           | 112.8                   | 1.1                 | 369            | 0.0                    |
| SR     | Karnataka              | 12342                                     | 0   | 237.7           | 78.2                    | -0.5                | 316            | 0.0                    |
| JI.    | Kerala                 | 3841                                      | 0   | 76.0            | 59.0                    | 1.5                 | 254            | 0.0                    |
|        | Tamil Nadu             | 14704                                     | 0   | 311.9           | 141.5                   | 0.2                 | 384            | 0.0                    |
|        | Pondy                  | 377                                       | 0   | 7.7             | 7.9                     | -0.2                | 50             | 0.0                    |
|        | Bihar                  | 4229                                      | 0   | 77.1            | 76.1                    | -0.6                | 274            | 0.0                    |
|        | DVC                    | 3148                                      | 0   | 66.3            | -37.9                   | 0.3                 | 211            | 0.0                    |
| ER     | Jharkhand              | 1276                                      | 0   | 24.9            | 19.3                    | 0.2                 | 81             | 0.0                    |
|        | Odisha                 | 4015                                      | 0   | 77.8            | 8.0                     | -0.9                | 271            | 0.0                    |
|        | West Bengal            | 6509                                      | 0   | 123.3           | 34.0                    | -0.8                | 191            | 0.0                    |
|        | Sikkim                 | 127                                       | 0   | 1.8             | 1.8                     | 0.0                 | 14             | 0.0                    |
|        | Arunachal Pradesh      | 117                                       | 1   | 2.2             | 2.3                     | -0.2                | 11             | 0.0                    |
|        | Assam                  | 1365                                      | 7   | 22.7            | 20.7                    | 0.1                 | 65             | 0.4                    |
|        | Manipur                | 213                                       | 2   | 3.0             | 3.0                     | -0.1                | 36             | 0.0                    |
| NER    | Meghalaya              | 360                                       | 0   | 6.6             | 5.7                     | -0.1                | 45             | 0.2                    |
|        | Mizoram                | 101                                       | 1   | 1.8             | 1.9                     | -0.3                | 14             | 0.0                    |
|        | Nagaland               | 130                                       | 1   | 2.2             | 2.1                     | 0.0                 | 36             | 0.0                    |
|        | Tripura                | 223                                       | 0   | 3.5             | 2.1                     | -0.2                | 42             | 0.0                    |

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

| The state of the s | Bhutan | Nepal  | Bangladesh |
|--|--------|--------|------------|
| Actual(MU)   | 1.7    | -10.9  | -12.5      |
| Day peak (MW)  | 308.9  | -588.6 | -896.0     |

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

|              | NR    | WR     | SR    | ER    | NER  | TOTAL |
|--------------|-------|--------|-------|-------|------|-------|
| Schedule(MU) | 241.3 | -265.1 | 110.7 | -96.8 | 9.9  | 0.0   |
| Actual(MU)   | 234.2 | -268.4 | 120.0 | -98.3 | 9.2  | -3.3  |
| O/D/U/D(MU)  | -7.1  | -3.3   | 9.3   | -1.5  | -0.6 | -3.3  |

F. Generation Outage(MW)

|                | NR    | WR    | SR    | ER   | NER | Total |
|----------------|-------|-------|-------|------|-----|-------|
| Central Sector | 6313  | 13073 | 6082  | 1560 | 668 | 27696 |
| State Sector   | 12880 | 14268 | 7313  | 5740 | 11  | 40211 |
| Total          | 19193 | 27340 | 13395 | 7300 | 680 | 67907 |

G. Sourcewise generation (MU)

|                                     | NR  | WR   | SR  | ER  | NER | All India |
|-------------------------------------|-----|------|-----|-----|-----|-----------|
| Coal                                | 485 | 1261 | 543 | 458 | 12  | 2759      |
| Lignite                             | 28  | 17   | 51  | 0   | 0   | 96        |
| Hydro                               | 132 | 53   | 82  | 31  | 3   | 301       |
| Nuclear                             | 24  | 35   | 24  | 0   | 0   | 84        |
| Gas, Naptha & Diesel                | 36  | 39   | 17  | 0   | 23  | 115       |
| RES (Wind, Solar, Biomass & Others) | 88  | 89   | 197 | 2   | 0   | 376       |
| Total                               | 792 | 1494 | 915 | 491 | 38  | 3730      |
|                                     |     |      |     |     |     |           |
|                                     |     |      |     |     |     |           |

| Share of RES in total generation (%)   | 11.08 | 5.98  | 21.55 | 0.33 | 0.11 | 10.08 |
|--|-------|-------|-------|------|------|-------|
| Share of Non-fossil fuel (Hydro, Nuclear and RES) in<br>total generation (%) | 30.76 | 11.89 | 33.13 | 6.60 | 8.18 | 20.37 |

H. All India Demand Diversity Factor

| III III III III Belliulu Bireisti I uctor |       |
|---|-------|
| Based on Regional Max Demands             | 1.027 |
| Based on State Max Demands                | 1.083 |

Diversity factor = Sum of regional or state-wise maximum demands / All India maximum demand

 $<sup>\</sup>textbf{*Source} : \textbf{RLDCs for solar connected to ISTS; SLDCs for embedded solar. Limited visibility of embedded solar data.}$ 

|   |   | IN   | <u> FER-REGI</u>  | ONAL EXCHA   | ANGES   | Date of I   | Reporting :  | 13-Feb-20  |
|---|---|--|---|--|---|---|--|--|
|   |   |  |   |  |   |   |  | Import=(+ve)<br>/Export =(-ve)<br>for NET (MU)   |
| Sl No   | Voltage<br>Level  | Line Details   | Circuit   | Max Import<br>(MW)   | Max Export<br>(MW)  | Import (MU)   | Export<br>(MU)   | NET<br>(MU)  |
|   |   | ER (With NR)   |   |  |   |   |  |  |
| 5   | HVDC  | ALIPURDUAR-AGRA<br>PUSAULI B/B   | S/C   | 0  | 0<br>378  | 0.0   | 9.3  | 0.0<br>-9.3  |
| 1   |   | GAYA-VARANASI  | D/C   | 133  | 663   | 0.0   | 6.9  | -6.9   |
| 2   | 765kV   | SASARAM-FATEHPUR   | S/C   | 226  | 218   | 0.0   | 1.3  | -1.3   |
| 3   |   | GAYA-BALIA   | S/C   | 0  | 594   | 0.0   | 8.2  | -8.2   |
| 6   |   | PUSAULI-VARANASI   | S/C   | 0  | 285   | 0.0   | 6.0  | -6.0   |
| 7   | 4   | PUSAULI -ALLAHABAD   | S/C   | 0  | 167   | 0.0   | 3.1  | -3.1   |
| 9   | 400 kV  | MUZAFFARPUR-GORAKHPUR<br>PATNA-BALIA   | D/C<br>Q/C  | 194  | 274<br>918  | 0.0   | 1.0  | -1.0<br>-12.3  |
| 10  | 400 K   | BIHARSHARIFF-BALIA   | D/C   | 34   | 451   | 0.0   | 4.1  | -4.1   |
| 11  |   | MOTIHARI-GORAKHPUR   | D/C   | 0  | 492   | 0.0   | 9.7  | -9.7   |
| 12  |   | BIHARSHARIFF-VARANASI  | D/C   | 228  | 173   | 0.3   | 0.0  | 0.3  |
| 13  | 220 kV  | PUSAULI-SAHUPURI   | S/C   | 0  | 163   | 0.0   | 2.8  | -2.8   |
| 14  |   | SONE NAGAR-RIHAND  | S/C   | 0  | 0   | 0.0   | 0.0  | 0.0  |
| 15  | 132 kV  | GARWAH-RIHAND  | S/C   | 30   | 0   | 0.7   | 0.0  | 0.7  |
| 16  | 1   | 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  |
| Import/E  | vnert of  | FR (With WP)   |   |  | ER-NR   | 1.0   | 64.7   | -63.7  |
| _   | export of   | ER (With WR)   | <del>     </del>  |  | 1   |   |  | 1  |
| 18  | 765 1.37  | JHARSUGUDA-DHARAMJAIGARH   | Q/C   | 1509   | 0   | 21.3  | 0.0  | 21.3   |
| 19  | 765 kV  | NEW RANCHI-DHARAMJAIGARH   | D/C   | 858  | 0   | 11.4  | 0.0  | 11.4   |
| 20  | 1   | JHARSUGUDA-DURG  | D/C   | 103  | 140<br>196  | 0.0   | 0.5  | -0.5<br>0.5  |
| 22  | 400 kV  | JHARSUGUDA-RAIGARH<br>RANCHI-SIPAT   | Q/C<br>D/C  | 331<br>304   | 196   | 0.5<br>4.3  | 0.0  | 0.5<br>4.3   |
| 23  |   | BUDHIPADAR-RAIGARH   | S/C   | 0  | 1   | 0.0   | 0.0  | 0.0  |
| 24  | 220 kV  | BUDHIPADAR-KORBA   | D/C   | 83   | 2   | 1.0   | 0.0  | 1.0  |
|   |   |  |   |  | ER-WR   | 38.5  | 0.5  | 38.0   |
| Import/E  | Export of   | ER (With SR)   |   |  |   |   |  |  |
| 26  | HVDC  | JEYPORE-GAZUWAKA B/B   | D/C   | 0.0  | 531.0   | 0.0   | 12.3   | -12.3  |
| 27  |   | TALCHER-KOLAR BIPOLE   | D/C   | 0.0  | 2455.0  | 0.0   | 46.9   | -46.9  |
| 25  | 765 kV  | ANGUL-SRIKAKULAM   | D/C   | 0.0  | 2441.0  | 0.0   | 44.3   | -44.3  |
| 28  | 400 kV  | TALCHER-I/C  | D/C   | 415.0  | 753.0   | 0.0   | 4.5  | -4.5   |
| 29  | 220 kV  | BALIMELA-UPPER-SILERRU   | S/C   | 2.0  | 0.0<br>ER-SR  | 0.0   | 0.0<br>103.5   | 0.0<br>-103.5  |
| Import/F  | Export of   | ER (With NER)  |   |  | EK-5K   | 0.0   | 103.3  | -103.3   |
| 30  | inport or   |  | D/G   | 0  | 610   | 0.0   | 8.6  | -9   |
|   |   | IBINAGURI-BUNGAIGAUN   | D/C   |  | 612   |   |  |  |
| 31  | 400 kV  | BINAGURI-BONGAIGAON<br>ALIPURDUAR-BONGAIGAON   | D/C<br>D/C  | 0  | 612<br>799  | 0.0   | 11.0   | -11  |
|   | 400 kV<br>220 kV  |  |   |  |   |   |  | 1  |
| 31<br>32  | 220 kV  | ALIPURDUAR-BONGAIGAON<br>ALIPURDUAR-SALAKATI   | D/C   | 0  | 799   | 0.0   | 11.0   | -11  |
| 31<br>32<br>Import/E  | 220 kV<br>Export of   | ALIPURDUAR-BONGAIGAON ALIPURDUAR-SALAKATI NER (With NR)  | D/C<br>D/C  | 0  | 799<br>151<br>ER-NER  | 0.0<br>0.0<br><b>0.0</b>  | 11.0<br>1.7<br>21.3  | -11<br>-2<br>-21.3   |
| 31<br>32  | 220 kV  | ALIPURDUAR-BONGAIGAON<br>ALIPURDUAR-SALAKATI   | D/C   | 0  | 799<br>151<br>ER-NER  | 0.0<br>0.0<br><b>0.0</b>  | 11.0<br>1.7<br>21.3  | -11<br>-2<br>-21.3   |
| 31<br>32<br>Import/E<br>33  | 220 kV<br>Export of<br>HVDC   | ALIPURDUAR-BONGAIGAON ALIPURDUAR-SALAKATI  NER (With NR) BISWANATH CHARIALI-AGRA   | D/C<br>D/C  | 0  | 799<br>151<br>ER-NER  | 0.0<br>0.0<br><b>0.0</b>  | 11.0<br>1.7<br>21.3  | -11<br>-2<br>-21.3   |
| 31<br>32<br>Import/E<br>33  | 220 kV<br>Export of<br>HVDC   | ALIPURDUAR-BONGAIGAON ALIPURDUAR-SALAKATI  NER (With NR) BISWANATH CHARIALI-AGRA  WR (With NR)   | D/C<br>D/C  | 0 0  | 799<br>151<br>ER-NER<br>504<br>NER-NR   | 0.0<br>0.0<br>0.0<br>0.0  | 11.0<br>1.7<br>21.3<br>10.4<br>10.4  | -11<br>-2<br>-21.3<br>-10.4<br>-10.4   |
| 31<br>32<br>Import/E<br>33<br>Import/E<br>34  | 220 kV Export of HVDC Export of   | ALIPURDUAR-BONGAIGAON ALIPURDUAR-SALAKATI  NER (With NR) BISWANATH CHARIALI-AGRA  WR (With NR) CHAMPA-KURUKSHETRA  | D/C D/C - D/C   | 1  | 799<br>151<br>ER-NER<br>504<br>NER-NR   | 0.0<br>0.0<br>0.0<br>0.0<br>0.0   | 11.0<br>1.7<br>21.3<br>10.4<br>10.4<br>28.3  | -11<br>-2<br>-21.3<br>-10.4<br>-10.4<br>-28.3  |
| 31<br>32<br>Import/E<br>33<br>Import/E<br>34<br>35  | 220 kV<br>Export of<br>HVDC   | ALIPURDUAR-BONGAIGAON ALIPURDUAR-SALAKATI  NER (With NR) BISWANATH CHARIALI-AGRA  WR (With NR) CHAMPA-KURUKSHETRA VCHAL B/B  | D/C D/C  - D/C  D/C   | 0<br>0<br>1<br>0<br>451  | 799<br>151<br>ER-NER<br>504<br>NER-NR   | 0.0<br>0.0<br>0.0<br>0.0<br>0.0<br>0.0<br>4.6   | 11.0<br>1.7<br>21.3<br>10.4<br>10.4<br>28.3<br>0.0   | -11<br>-2<br>-21.3<br>-10.4<br>-10.4<br>-28.3<br>4.6   |
| 31<br>32<br>Import/E<br>33<br>Import/E<br>34  | 220 kV Export of HVDC Export of   | ALIPURDUAR-BONGAIGAON ALIPURDUAR-SALAKATI  NER (With NR) BISWANATH CHARIALI-AGRA  WR (With NR) CHAMPA-KURUKSHETRA  | D/C D/C - D/C   | 1  | 799<br>151<br>ER-NER<br>504<br>NER-NR   | 0.0<br>0.0<br>0.0<br>0.0<br>0.0   | 11.0<br>1.7<br>21.3<br>10.4<br>10.4<br>28.3  | -11<br>-2<br>-21.3<br>-10.4<br>-10.4<br>-28.3  |
| 31<br>32<br>Import/E<br>33<br>Import/E<br>34<br>35<br>36  | 220 kV Export of HVDC Export of   | 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  D/C  D/C  D/C  D/C  | 0<br>0<br>1<br>0<br>451<br>0   | 799<br>151<br>ER-NER<br>504<br>NER-NR<br>0<br>0<br>1923   | 0.0<br>0.0<br>0.0<br>0.0<br>0.0<br>0.0<br>0.0<br>4.6<br>0.0   | 11.0<br>1.7<br>21.3<br>10.4<br>10.4<br>28.3<br>0.0<br>43.9   | -11 -2 -2 -21.3 -10.4 -10.4 -10.4 -28.3 -4.6 -43.9   |
| 31<br>32<br>Import/F<br>33<br>Import/F<br>34<br>35<br>36<br>37  | 220 kV Export of HVDC Export of HVDC  | 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 D/C D/C D/C D/C D/C D/C   | 0<br>0<br>1<br>0<br>451<br>0<br>0  | 799<br>151<br>ER-NER<br>504<br>NER-NR<br>0<br>0<br>1923<br>2695   | 0.0<br>0.0<br>0.0<br>0.0<br>0.0<br>0.0<br>4.6<br>0.0  | 11.0<br>1.7<br>21.3<br>10.4<br>10.4<br>28.3<br>0.0<br>43.9<br>46.2   | -11<br>-2<br>-21.3<br>-10.4<br>-10.4<br>-10.4<br>-28.3<br>4.6<br>-43.9<br>-46.2  |
| 31<br>32<br>Import/E<br>33<br>Import/E<br>34<br>35<br>36<br>37<br>38  | 220 kV Export of HVDC Export of   | 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  D/C  D/C  D/C  D/C  D/C  D/C                                     | 0<br>0<br>1<br>0<br>451<br>0<br>0<br>0   | 799<br>151<br>ER-NER<br>504<br>NER-NR<br>0<br>0<br>1923<br>2695<br>1547<br>954<br>0   | 0.0<br>0.0<br>0.0<br>0.0<br>0.0<br>0.0<br>4.6<br>0.0<br>0.0   | 11.0<br>1.7<br>21.3<br>10.4<br>10.4<br>28.3<br>0.0<br>43.9<br>46.2<br>24.1<br>33.0<br>0.0  | -11<br>-2<br>-21.3<br>-10.4<br>-10.4<br>-28.3<br>-4.6<br>-43.9<br>-46.2<br>-24.1<br>-33.0<br>11.2  |
| 31<br>32<br>Import/E<br>33<br>Import/E<br>34<br>35<br>36<br>37<br>38<br>39<br>40<br>41  | 220 kV Export of HVDC Export of HVDC  | 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 GWALIOR-ORAI SATNA-ORAI  | D/C D/C D/C D/C D/C D/C D/C D/C D/C S/C S/C                               | 0<br>0<br>1<br>0<br>451<br>0<br>0<br>0<br>0<br>0<br>649  | 799<br>151<br>ER-NER<br>504<br>NER-NR<br>0<br>0<br>1923<br>2695<br>1547<br>954<br>0<br>1475   | 0.0<br>0.0<br>0.0<br>0.0<br>0.0<br>0.0<br>4.6<br>0.0<br>0.0<br>0.0<br>0.0<br>0.0                    | 11.0<br>1.7<br>21.3<br>10.4<br>10.4<br>10.4<br>28.3<br>0.0<br>43.9<br>46.2<br>24.1<br>33.0<br>0.0<br>29.5  | -11<br>-2<br>-21.3<br>-10.4<br>-10.4<br>-10.4<br>-28.3<br>-4.6<br>-43.9<br>-46.2<br>-24.1<br>-33.0<br>11.2<br>-29.5  |
| 31<br>32<br>Import/E<br>33<br>Import/E<br>34<br>35<br>36<br>37<br>38<br>39<br>40<br>41<br>42  | 220 kV Export of HVDC Export of HVDC  | 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 GWALIOR-ORAI SATNA-ORAI CHITTORGARH-BANASKANTHA   | D/C D/C D/C D/C D/C D/C D/C D/C D/C S/C S/C D/C                           | 0<br>0<br>1<br>0<br>451<br>0<br>0<br>0<br>0<br>649<br>0<br>260   | 799<br>151<br>ER-NER<br>504<br>NER-NR<br>0<br>0<br>1923<br>2695<br>1547<br>954<br>0<br>1475<br>1070                                   | 0.0<br>0.0<br>0.0<br>0.0<br>0.0<br>0.0<br>4.6<br>0.0<br>0.0<br>0.0<br>0.0<br>11.2<br>0.0<br>0.0     | 11.0<br>1.7<br>21.3<br>10.4<br>10.4<br>10.4<br>28.3<br>0.0<br>43.9<br>46.2<br>24.1<br>33.0<br>0.0<br>29.5<br>4.1   | -11 -2 -2 -21.3 -10.4 -10.4 -10.4 -10.4 -10.4 -10.4 -28.3 -4.6 -43.9 -46.2 -24.1 -33.0 -11.2 -29.5 -4.1  |
| 31<br>32<br>Import/E<br>33<br>Import/E<br>34<br>35<br>36<br>37<br>38<br>39<br>40<br>41<br>42<br>43  | 220 kV Export of HVDC Export of HVDC  | 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 GWALIOR-ORAI SATNA-ORAI CHITTORGARH-BANASKANTHA ZERDA-KANKROLI  | D/C                                   | 0<br>0<br>1<br>0<br>451<br>0<br>0<br>0<br>0<br>649<br>0<br>260<br>217  | 799<br>151<br>ER-NER<br>504<br>NER-NR<br>0<br>0<br>1923<br>2695<br>1547<br>954<br>0<br>1475<br>1070<br>180                            | 0.0<br>0.0<br>0.0<br>0.0<br>0.0<br>0.0<br>0.0<br>0.0  | 11.0<br>1.7<br>21.3<br>10.4<br>10.4<br>10.4<br>28.3<br>0.0<br>43.9<br>46.2<br>24.1<br>33.0<br>0.0<br>0.0<br>29.5<br>4.1  | -11 -2 -2 -21.3 -10.4 -1 |
| 31<br>32<br>Import/F<br>33<br>Import/F<br>34<br>35<br>36<br>37<br>38<br>39<br>40<br>41<br>42<br>43<br>44  | 220 kV Export of HVDC Export of HVDC  | 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 GWALIOR-ORAI SATNA-ORAI CHITTORGARH-BANASKANTHA ZERDA-KANKROLI ZERDA -BHINMAL  | D/C                                   | 0<br>0<br>1<br>0<br>451<br>0<br>0<br>0<br>0<br>649<br>0<br>260<br>217<br>415   | 799<br>151<br>ER-NER<br>504<br>NER-NR<br>0<br>0<br>1923<br>2695<br>1547<br>954<br>0<br>1475<br>1070<br>180<br>322                     | 0.0<br>0.0<br>0.0<br>0.0<br>0.0<br>0.0<br>0.0<br>0.0  | 11.0<br>1.7<br>21.3<br>10.4<br>10.4<br>10.4<br>10.4<br>28.3<br>0.0<br>43.9<br>46.2<br>24.1<br>33.0<br>0.0<br>29.5<br>4.1<br>0.0<br>0.0   | -11<br>-2<br>-21.3<br>-10.4<br>-10.4<br>-10.4<br>-10.4<br>-28.3<br>-4.6<br>-43.9<br>-46.2<br>-24.1<br>-33.0<br>-11.2<br>-29.5<br>-4.1<br>0.9<br>1.2  |
| 31<br>32<br>Import/E<br>33<br>Import/E<br>34<br>35<br>36<br>37<br>38<br>39<br>40<br>41<br>42<br>43<br>44<br>45  | 220 kV Export of HVDC Export of HVDC - 765 kV   | 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 GWALIOR-ORAI CHITTORGARH-BANASKANTHA ZERDA-KANKROLI ZERDA -BHINMAL VCHAL -RIHAND  | D/C                                   | 0<br>0<br>1<br>0<br>451<br>0<br>0<br>0<br>0<br>649<br>0<br>260<br>217<br>415<br>984  | 799 151 ER-NER 504 NER-NR 0 0 1923 2695 1547 954 0 1475 1070 180 322 0  | 0.0<br>0.0<br>0.0<br>0.0<br>0.0<br>0.0<br>4.6<br>0.0<br>0.0<br>0.0<br>0.0<br>0.0<br>0.0<br>0.0<br>0 | 11.0<br>1.7<br>21.3<br>10.4<br>10.4<br>10.4<br>10.4<br>10.4<br>10.4<br>10.4<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>1 | -11 -2 -21.3 -10.4 -10.4 -10.4 -28.3 -4.6 -43.9 -46.2 -24.1 -33.0 -11.2 -29.5 -4.1 -0.9 -1.2 -22.7   |
| 31<br>32<br>Import/E<br>33<br>Import/E<br>34<br>35<br>36<br>37<br>38<br>39<br>40<br>41<br>42<br>43<br>44<br>45<br>46  | 220 kV Export of HVDC Export of HVDC - 765 kV   | 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 GWALIOR-ORAI GWALIOR-ORAI CHITTORGARH-BANASKANTHA ZERDA-KANKROLI ZERDA -BHINMAL VCHAL -RIHAND RAPP-SHUJALPUR   | D/C                                   | 0<br>0<br>0<br>1<br>0<br>451<br>0<br>0<br>0<br>0<br>649<br>0<br>260<br>217<br>415<br>984<br>138  | 799 151 ER-NER 504 NER-NR 0 0 1923 2695 1547 954 0 1475 1070 180 322 0 404  | 0.0<br>0.0<br>0.0<br>0.0<br>0.0<br>0.0<br>0.0<br>0.0  | 11.0<br>1.7<br>21.3<br>10.4<br>10.4<br>10.4<br>28.3<br>0.0<br>43.9<br>46.2<br>24.1<br>33.0<br>0.0<br>29.5<br>4.1<br>0.0<br>0.0<br>0.0  | -11 -2 -21.3 -10.4 -10.4 -10.4 -28.3 -4.6 -43.9 -46.2 -24.1 -33.0 -11.2 -29.5 -4.1 -0.9 -1.2 -22.7 -1  |
| 31<br>32<br>Import/E<br>33<br>Import/E<br>34<br>35<br>36<br>37<br>38<br>39<br>40<br>41<br>42<br>43<br>44<br>45<br>46<br>47  | 220 kV Export of HVDC Export of HVDC - 765 kV   | 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 GWALIOR-ORAI SATNA-ORAI ZERDA-KANKROLI ZERDA-BHINMAL VCHAL -RIHAND RAPP-SHUJALPUR BHANPURA-RANPUR  | D/C                                   | 0<br>0<br>0<br>1<br>0<br>451<br>0<br>0<br>0<br>0<br>649<br>0<br>260<br>217<br>415<br>984<br>138<br>58                                    | 799 151 ER-NER 504 NER-NR 0 0 1923 2695 1547 954 0 1475 1070 180 322 0 404 73   | 0.0<br>0.0<br>0.0<br>0.0<br>0.0<br>0.0<br>0.0<br>0.0  | 11.0<br>1.7<br>21.3<br>10.4<br>10.4<br>10.4<br>28.3<br>0.0<br>43.9<br>46.2<br>24.1<br>33.0<br>0.0<br>29.5<br>4.1<br>0.0<br>0.0<br>0.0  | -11 -2 -21.3 -10.4 -10.4 -10.4 -10.4 -28.3 -4.6 -43.9 -46.2 -24.1 -33.0 -11.2 -29.5 -4.1 -0.9 -1.2 -22.7 -1 -1.0   |
| 31<br>32<br>Import/E<br>33<br>Import/E<br>34<br>35<br>36<br>37<br>38<br>39<br>40<br>41<br>42<br>43<br>44<br>45<br>46<br>47<br>48  | 220 kV Export of HVDC Export of HVDC - 765 kV   | 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 GWALIOR-ORAI SATNA-ORAI CHITTORGARI-BANASKANTHA ZERDA-KANKROLI ZERDA -BHINMAL VCHAL -RIHAND RAPP-SHUJALPUR BHANPURA-RANPUR BHANPURA-RANPUR BHANPURA-MORAK   | D/C D/C D/C D/C D/C D/C D/C D/C D/C S/C S/C S/C S/C S/C S/C S/C S/C S/C S | 0<br>0<br>0<br>1<br>0<br>451<br>0<br>0<br>0<br>0<br>649<br>0<br>260<br>217<br>415<br>984<br>138<br>58                                    | 799 151 ER-NER  504 NER-NR  0 0 1923 2695 1547 954 0 1475 1070 180 322 0 404 73 95  | 0.0<br>0.0<br>0.0<br>0.0<br>0.0<br>0.0<br>4.6<br>0.0<br>0.0<br>0.0<br>0.0<br>0.0<br>0.0<br>0.0<br>0 | 11.0<br>1.7<br>21.3<br>10.4<br>10.4<br>10.4<br>10.4<br>28.3<br>0.0<br>43.9<br>46.2<br>24.1<br>33.0<br>0.0<br>29.5<br>4.1<br>0.0<br>0.0<br>1<br>0.1<br>0.6  | -11 -2 -21.3 -10.4 -10.4 -10.4 -10.4 -28.3 -4.6 -43.9 -46.2 -24.1 -33.0 -11.2 -29.5 -4.1 -0.9 -1.2 -22.7 -1 -1.0 -0.4  |
| 31<br>32<br>Import/E<br>33<br>Import/E<br>34<br>35<br>36<br>37<br>38<br>39<br>40<br>41<br>42<br>43<br>44<br>45<br>46<br>47  | 220 kV Export of HVDC Export of HVDC - 765 kV   | 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 GWALIOR-ORAI SATNA-ORAI CHITTORGARH-BANASKANTHA ZERDA-KANKROLI ZERDA -BHINMAL VCHAL -RIHAND RAPP-SHUJALPUR BHANPURA-RANPUR BHANPURA-MORAK MEHGAON-AURAIYA   | D/C                                   | 0<br>0<br>0<br>1<br>0<br>451<br>0<br>0<br>0<br>0<br>649<br>0<br>260<br>217<br>415<br>984<br>138<br>58                                    | 799 151 ER-NER 504 NER-NR 0 0 1923 2695 1547 954 0 1475 1070 180 322 0 404 73   | 0.0<br>0.0<br>0.0<br>0.0<br>0.0<br>0.0<br>0.0<br>0.0  | 11.0<br>1.7<br>21.3<br>10.4<br>10.4<br>10.4<br>28.3<br>0.0<br>43.9<br>46.2<br>24.1<br>33.0<br>0.0<br>29.5<br>4.1<br>0.0<br>0.0<br>0.0  | -11 -2 -21.3 -10.4 -10.4 -10.4 -10.4 -28.3 -4.6 -43.9 -46.2 -24.1 -33.0 -11.2 -29.5 -4.1 -0.9 -1.2 -22.7 -1 -1.0   |
| 31<br>32<br>Import/E<br>33<br>Import/E<br>34<br>35<br>36<br>37<br>38<br>39<br>40<br>41<br>42<br>43<br>44<br>45<br>46<br>47  | 220 kV Export of HVDC Export of HVDC - 765 kV   | 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 GWALIOR-ORAI SATNA-ORAI CHITTORGARI-BANASKANTHA ZERDA-KANKROLI ZERDA -BHINMAL VCHAL -RIHAND RAPP-SHUJALPUR BHANPURA-RANPUR BHANPURA-RANPUR BHANPURA-MORAK   | D/C D/C D/C D/C D/C D/C D/C D/C D/C S/C S/C S/C S/C S/C S/C S/C S/C S/C S | 0<br>0<br>0<br>1<br>0<br>451<br>0<br>0<br>0<br>0<br>649<br>0<br>260<br>217<br>415<br>984<br>138<br>58                                    | 799 151 ER-NER  504 NER-NR  0 0 1923 2695 1547 954 0 1475 1070 180 322 0 404 73 95 0  | 0.0<br>0.0<br>0.0<br>0.0<br>0.0<br>0.0<br>0.0<br>0.0  | 11.0<br>1.7<br>21.3<br>10.4<br>10.4<br>10.4<br>10.4<br>10.4<br>10.4<br>10.4<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>1 | -11 -2 -21.3  -10.4 -10.4 -10.4  -10.4  -28.3 -4.6 -43.9 -46.2 -24.1 -33.0 -11.2 -29.5 -4.1 -0.9 -1.2 -1.0 -0.4 -0.4 -0.6  |
| 31<br>32<br>Import/E<br>33<br>Import/E<br>34<br>35<br>36<br>37<br>38<br>39<br>40<br>41<br>42<br>43<br>44<br>45<br>46<br>47<br>48<br>49<br>50  | 220 kV Export of HVDC Export of HVDC - 765 kV - 400 kV  | 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 GWALIOR-ORAI SATNA-ORAI CHITTORGARH-BANASKANTHA ZERDA-BHINMAL V'CHAL -RIHAND RAPP-SHUJALPUR BHANPURA-RANPUR BHANPURA-MORAK MEHGAON-AURAIYA MALANPUR-AURAIYA  | D/C                                   | 0<br>0<br>0<br>1<br>0<br>451<br>0<br>0<br>0<br>0<br>649<br>0<br>260<br>217<br>415<br>984<br>138<br>58<br>56<br>105                       | 799 151 ER-NER  504 NER-NR  0 0 1923 2695 1547 954 0 1475 1070 180 322 0 404 73 95 0 11   | 0.0<br>0.0<br>0.0<br>0.0<br>0.0<br>0.0<br>0.0<br>0.0  | 11.0<br>1.7<br>21.3<br>10.4<br>10.4<br>10.4<br>10.4<br>10.4<br>10.4<br>10.4<br>10.4<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>1 | -11 -2 -21.3 -10.4 -10.4 -10.4 -28.3 -4.6 -43.9 -46.2 -24.1 -33.0 -11.2 -29.5 -4.1 -0.9 -1.2 -1 -1.0 -0.4 -0.4 -0.7  |
| 31<br>32<br>Import/E<br>33<br>Import/E<br>34<br>35<br>36<br>37<br>38<br>39<br>40<br>41<br>42<br>43<br>44<br>45<br>46<br>47<br>48<br>49<br>50<br>51  | 220 kV  Export of HVDC  Export of HVDC  - 765 kV  - 400 kV  - 132kV                             | 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 GWALIOR-ORAI SATNA-ORAI CHITTORGARH-BANASKANTHA ZERDA-BHINMAL V'CHAL -RIHAND RAPP-SHUJALPUR BHANPURA-RANPUR BHANPURA-MORAK MEHGAON-AURAIYA MALANPUR-AURAIYA  | D/C                                   | 0<br>0<br>0<br>1<br>0<br>451<br>0<br>0<br>0<br>0<br>649<br>0<br>260<br>217<br>415<br>984<br>138<br>58<br>56<br>105                       | 799 151 ER-NER  504 NER-NR  0 0 1923 2695 1547 954 0 1475 1070 180 322 0 404 73 95 0 11   | 0.0<br>0.0<br>0.0<br>0.0<br>0.0<br>0.0<br>0.0<br>0.0  | 11.0<br>1.7<br>21.3<br>10.4<br>10.4<br>10.4<br>10.4<br>10.4<br>10.4<br>10.4<br>10.4<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>1 | -11 -2 -21.3 -10.4 -10.4 -10.4 -10.4 -28.3 -4.6 -43.9 -46.2 -24.1 -33.0 -11.2 -29.5 -4.1 -9.9 -1.2 -1.1 -1.0 -0.4 -1.6 -0.7 -0.0   |
| 31<br>32<br>Import/E<br>33<br>Import/E<br>34<br>35<br>36<br>37<br>38<br>39<br>40<br>41<br>42<br>43<br>44<br>45<br>46<br>47<br>48<br>49<br>50<br>51<br>Import/E  | 220 kV  Export of HVDC  Export of HVDC  - 765 kV  - 400 kV  - 132kV                             | 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 GWALIOR-ORAI SATNA-ORAI CHITTORGARI-BANASKANTHA ZERDA-KANKROLI ZERDA-BHINMAL VCHAL-RIHAND RAPP-SHUJALPUR BHANPURA-RANPUR BHANPURA-MORAK MEHGAON-AURAIYA MALAPUR-AURAIYA GWALIOR-SAWAI MADHOPUR  WR (With SR) BHADRAWATI B/B   | D/C                                   | 0<br>0<br>0<br>1<br>1<br>0<br>451<br>0<br>0<br>0<br>0<br>0<br>649<br>0<br>260<br>217<br>415<br>984<br>138<br>58<br>56<br>105             | 799 151 ER-NER 504 NER-NR 0 0 1923 2695 1547 954 0 1475 1070 180 322 0 404 73 95 0 11 0 WR-NR   | 0.0<br>0.0<br>0.0<br>0.0<br>0.0<br>0.0<br>0.0<br>0.0  | 11.0<br>1.7<br>21.3<br>10.4<br>10.4<br>10.4<br>10.4<br>10.4<br>10.4<br>10.4<br>10.4<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>1 | -11 -2 -21.3 -10.4 -10.4 -10.4 -10.4 -28.3 -4.6 -43.9 -46.2 -24.1 -33.0 -11.2 -29.5 -4.1 -0.9 -1.2 -22.7 -1 -1.0 -0.4 -1.6 -0.7 -0.0 -167.1  |
| 31 32  Import/E 33  Import/E 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50 51  Import/E 52   | 220 kV Export of HVDC Export of HVDC  400 kV  220 kV  132kV                                     | 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 GWALIOR-ORAI SATNA-ORAI CHITTORGARH-BANASKANTHA ZERDA-KANKROLI ZERDA -BHINMAL VCHAL -RIHAND RAPP-SHUJALPUR BHANPUR-ARNPUR BHANPUR-AWALIARIAN BHANPUR-AWALIARIAN MALANPUR-AWALIARIAN GWALIOR-SAWAI MADHOPUR  WR (With SR) BHADRAWATI B/B BARSUR-L.SILERU   | D/C D/C D/C D/C D/C D/C D/C D/C D/C S/C S/C S/C S/C S/C S/C S/C S/C S/C S | 0<br>0<br>0<br>1<br>1<br>0<br>451<br>0<br>0<br>0<br>0<br>649<br>0<br>260<br>217<br>415<br>984<br>138<br>58<br>56<br>105<br>164<br>0      | 799 151 ER-NER  504 NER-NR  0 0 1923 2695 1547 954 0 1475 1070 180 322 0 404 73 95 0 11 0 WR-NR                                       | 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0   | 11.0<br>1.7<br>21.3<br>10.4<br>10.4<br>10.4<br>10.4<br>10.4<br>10.4<br>10.4<br>10.4<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>1 | -11 -2 -21.3  -10.4 -10.4 -10.4 -10.4  -28.3 -4.6 -43.9 -46.2 -24.1 -33.0 -11.2 -29.5 -4.1 -0.9 -1.2 -1 -0.4 -0.4 -0.6 -0.7 -0.0 -167.1  |
| 31 32  Import/E 33  Import/E 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50 51  Import/E 52 53 54   | 220 kV Export of HVDC Export of HVDC  400 kV  220 kV  132kV                                     | 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 SATNA-ORAI CHITTORGARH-BANASKANTHA ZERDA-KANKROLI ZERDA -BHINMAL VCHAL -RIHAND RAPP-SHUJALPUR BHANPURA-RANPUR BHANPURA-RANPUR BHANPURA-WORAK MEHGAON-AURAIYA MALANPUR-AURAIYA GWALIOR-SAWAI MADHOPUR  WR (With SR) BHADRAWATI B/B BARSUR-L SILERU SOLAPUR-RAICHUR   | D/C D/C D/C D/C D/C D/C D/C D/C D/C S/C S/C S/C S/C S/C S/C S/C S/C S/C S | 0<br>0<br>0<br>1<br>1<br>0<br>451<br>0<br>0<br>0<br>0<br>649<br>0<br>260<br>217<br>415<br>984<br>138<br>58<br>56<br>105<br>164<br>0      | 799 151 ER-NER  504 NER-NR  0 0 1923 2695 1547 954 0 1475 1070 180 322 0 404 73 95 0 11 0 WR-NR                                       | 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0   | 11.0<br>1.7<br>21.3<br>10.4<br>10.4<br>10.4<br>10.4<br>10.4<br>10.4<br>10.4<br>10.4<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>1 | -11 -2 -21.3  -10.4 -10.4 -10.4  -10.4  -28.3  4.6 -43.9 -46.2 -24.1 -33.0  11.2 -29.5 -4.1 0.9 1.2 22.7 -1 1.0 -0.4 1.6 0.7 0.0 -167.1  |
| 31 32  Import/E 33  Import/E 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50 51  Import/E 52 53 54 55  | 220 kV Export of HVDC Export of HVDC - 765 kV - 400 kV - 220 kV - 132kV Export of HVDC - 765 kV | 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 GWALIOR-ORAI SATNA-ORAI CHITTORGARH-BANASKANTHA ZERDA-BHISMAL VCHAL -RIHAND RAPP-SHUJALPUR BHANPURA-RANPUR BHANPURA-MORAK MEHGAON-AURAIYA MALANPUR-AURAIYA GWALIOR-SAWAI MADHOPUR  WR (With SR) BHADRAWATI B/B BARSUR-L.SILERU SOLAPUR-RAICHUR WARDHA-NIZAMABAD   | D/C                                   | 0<br>0<br>0<br>1<br>1<br>0<br>451<br>0<br>0<br>0<br>0<br>649<br>0<br>260<br>217<br>415<br>984<br>138<br>58<br>56<br>105<br>164<br>0      | 799 151 ER-NER  504 NER-NR  0 0 1923 2695 1547 954 0 1475 1070 180 322 0 404 404 73 95 0 111 0 WR-NR                                  | 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0   | 11.0<br>1.7<br>21.3<br>10.4<br>10.4<br>10.4<br>10.4<br>10.4<br>10.4<br>10.4<br>10.4<br>10.4<br>10.4<br>10.4<br>10.4<br>10.4<br>10.6<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>1 | -11 -2 -21.3  -10.4 -10.4 -10.4  -28.3 -4.6 -43.9 -46.2 -24.1 -33.0 -11.2 -29.5 -4.1 -0.9 -1.2 -22.7 -1 -1.0 -0.4 -1.6 -0.7 -0.0 -167.1  -22.3 -0.0 -18.1 -36.0  |
| 31 32  Import/E 33  Import/E 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50 51  Import/E 52 53 54   | 220 kV Export of HVDC Export of HVDC - 765 kV - 400 kV - 220 kV - 132kV Export of HVDC          | 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 GWALIOR-ORAI SATNA-ORAI CHITTORGARH-BANASKANTHA ZERDA-BHINMAL VCHAL-RIHAND RAPP-SHUJALPUR BHANPURA-RANPUR BHANPURA-MORAK MEHGAON-AURAIYA MALANPUR-AURAIYA GWALIOR-SAWAI MADHOPUR  WR (With SR) BHADRAWATI B/B BARSUR-L-SILIERU SOLAPUR-RAICHUR WARDHA-NIZAMABAD KOLHAPUR-KUDGI  | D/C                                   | 0<br>0<br>0<br>1<br>1<br>0<br>451<br>0<br>0<br>0<br>0<br>649<br>0<br>260<br>217<br>415<br>984<br>138<br>58<br>56<br>105<br>164<br>0      | 799 151 ER-NER  504 NER-NR  0 0 1923 2695 1547 954 0 1475 1070 180 322 0 404 73 95 0 111 0 WR-NR  995 0 1727 2623 0                   | 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0   | 11.0<br>1.7<br>21.3<br>10.4<br>10.4<br>10.4<br>10.4<br>10.4<br>10.4<br>10.4<br>10.4<br>10.4<br>10.4<br>10.4<br>10.4<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>1 | -11 -2 -21.3 -10.4 -10.6 -10.7 -10.0 -10.7 -10.0 -10.7 -10.0 -10.1 |
| 31 32  Import/F 33  Import/F 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50 51  Import/F 52 53 54 55 56 57  | 220 kV Export of HVDC Export of HVDC - 765 kV - 400 kV - 132kV Export of HVDC - 765 kV          | 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 GWALIOR-ORAI SATNA-ORAI CHITTORGARH-BANASKANTHA ZERDA-KANKROLI ZERDA -BHINMAL VCHAL -RIHAND RAPP-SHUJALPUR BHANPURA-RANPUR BHANPURA-MORAK MEHGAON-AURAIYA MALANPUR-AURAIYA GWALIOR-SAWAI MADHOPUR  WR (With SR) BHADRAWATI B/B BARSUR-L.SILERU SOLAPUR-RAICHUR WARDHA-NIZAMABAD KOLHAPUR-KUDGI KOLHAPUR-CHIKODI                                | D/C                                   | 0<br>0<br>0<br>1<br>1<br>0<br>451<br>0<br>0<br>0<br>0<br>649<br>0<br>260<br>217<br>415<br>984<br>138<br>58<br>56<br>105<br>164<br>0      | 799 151 ER-NER 504 NER-NR 0 0 0 1923 2695 1547 954 0 1475 1070 180 322 0 404 73 95 0 111 0 WR-NR                                      | 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0   | 11.0<br>1.7<br>21.3<br>10.4<br>10.4<br>10.4<br>10.4<br>10.4<br>10.4<br>10.4<br>10.4<br>10.4<br>10.4<br>10.4<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>1 | -11 -2 -21.3 -10.4 -10.4 -10.4 -10.4 -10.4 -10.4 -10.4 -10.4 -10.4 -10.4 -10.4 -10.4 -10.4 -10.4 -10.4 -10.4 -10.4 -10.4 -10.6 -10.7 -10.0 -10.7 -10.0 -10.7 -10.0 -10.7 -10.0 -10.1 |
| 31 32  Import/F 33  Import/F 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50 51  Import/F 52 53 54 55 56 57 58   | 220 kV Export of HVDC Export of HVDC - 765 kV - 400 kV - 220 kV - 132kV Export of HVDC - 765 kV | 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 GWALIOR-ORAI SATNA-ORAI CHITTORGARH-BANASKANTHA ZERDA-KANKROLI ZERDA -BHINMAL VCHAL -RIHAND RAPP-SHUJAL-PUR BHANPURA-RANPUR BHANPURA-RANPUR BHANPURA-WANDUR BHANPURA-WANDUR GWALIOR-SAWAI MADHOPUR  WR (With SR) BHADRAWATI B/B BARSUR-LSILERU SOLAPUR-RAICHUR WARDHA-NIZAMABAD KOLHAPUR-CHIKODI PONDA-AMBEWADI                                 | D/C                                   | 0<br>0<br>0<br>1<br>1<br>0<br>451<br>0<br>0<br>0<br>0<br>649<br>0<br>260<br>217<br>415<br>984<br>138<br>58<br>56<br>105<br>164<br>0      | 799 151 ER-NER  504 NER-NR  0 0 1923 2695 1547 954 0 1475 1070 180 322 0 404 73 95 0 111 0 WR-NR  995 0 1727 2623 0 0 0 115           | 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0   | 11.0<br>1.7<br>21.3<br>10.4<br>10.4<br>10.4<br>10.4<br>10.4<br>10.4<br>10.4<br>10.4<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>1 | -11 -2 -21.3 -10.4 -10.4 -10.4 -10.4 -10.4 -28.3 -4.6 -43.9 -46.2 -24.1 -33.0 -11.2 -29.5 -4.1 -0.9 -1.2 -22.7 -1 -1.0 -0.4 -1.6 -0.7 -0.0 -167.1 -22.3 -0.0 -18.1 -36.0 -15.9 -0.0 -2.1   |
| 31<br>32<br>Import/F<br>33<br>Import/F<br>34<br>35<br>36<br>37<br>38<br>39<br>40<br>41<br>42<br>43<br>44<br>45<br>46<br>47<br>48<br>49<br>50<br>51<br>Import/F<br>52<br>53<br>54<br>55<br>56<br>57          | 220 kV  Export of HVDC  Export of HVDC  - 765 kV  - 400 kV  - 132kV  Export of HVDC  - 765 kV   | 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 GWALIOR-ORAI SATNA-ORAI CHITTORGARH-BANASKANTHA ZERDA-KANKROLI ZERDA -BHINMAL VCHAL -RIHAND RAPP-SHUJALPUR BHANPURA-RANPUR BHANPURA-MORAK MEHGAON-AURAIYA MALANPUR-AURAIYA GWALIOR-SAWAI MADHOPUR  WR (With SR) BHADRAWATI B/B BARSUR-L.SILERU SOLAPUR-RAICHUR WARDHA-NIZAMABAD KOLHAPUR-KUDGI KOLHAPUR-CHIKODI                                | D/C                                   | 0<br>0<br>0<br>1<br>1<br>0<br>451<br>0<br>0<br>0<br>0<br>649<br>0<br>260<br>217<br>415<br>984<br>138<br>58<br>56<br>105<br>164<br>0      | 799 151 ER-NER  504 NER-NR  0 0 0 1923 2695 1547 9954 0 1475 1070 180 322 0 404 73 95 0 11 0 WR-NR  995 0 1727 2623 0 0 0 115 0       | 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0   | 11.0<br>1.7<br>21.3<br>10.4<br>10.4<br>10.4<br>10.4<br>10.4<br>10.4<br>10.4<br>10.4<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>1 | -11 -2 -21.3 -10.4 -10.4 -10.4 -10.4 -10.4 -28.3 -4.6 -43.9 -46.2 -24.1 -33.0 -11.2 -29.5 -4.1 -0.9 -1.2 -22.7 -1 -1.0 -0.4 -1.6 -0.7 -0.0 -167.1 -22.3 -0.0 -18.1 -36.0 -15.9 -0.0 -2.1 -0.0  |
| 31<br>32<br>Simport/F<br>33<br>Simport/F<br>34<br>35<br>36<br>37<br>38<br>39<br>40<br>41<br>42<br>43<br>44<br>45<br>46<br>47<br>48<br>49<br>50<br>51<br>Simport/F<br>52<br>53<br>54<br>55<br>56<br>57<br>58 | 220 kV  Export of HVDC  Export of HVDC  - 765 kV  - 400 kV  - 132kV  Export of HVDC  - 765 kV   | 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 GWALIOR-ORAI SATNA-ORAI CHITTORGARI-BANASKANTHA ZERDA-KANKROLI ZERDA-BHINMAL VCHAL-RIHAND RAPP-SHUJALPUR BHANPURA-RANPUR BHANPURA-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 D/C S/C S/C S/C S/C S/C S/C S/C S/C S/C S | 0<br>0<br>0<br>1<br>1<br>0<br>451<br>0<br>0<br>0<br>0<br>0<br>649<br>0<br>260<br>217<br>415<br>984<br>138<br>58<br>56<br>105<br>164<br>0 | 799 151 ER-NER  504 NER-NR  0 0 0 1923 2695 1547 9954 0 1475 1070 180 322 0 404 73 95 0 11 0 WR-NR  995 0 1727 2623 0 0 0 115 0 WR-SR | 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0   | 11.0<br>1.7<br>21.3<br>10.4<br>10.4<br>10.4<br>10.4<br>10.4<br>10.4<br>10.4<br>10.4<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>1 | -11 -2 -21.3 -10.4 -10.4 -10.4 -10.4 -10.4 -28.3 -4.6 -43.9 -46.2 -24.1 -33.0 -11.2 -29.5 -4.1 -0.9 -1.2 -22.7 -1 -1.0 -0.4 -1.6 -0.7 -0.0 -167.1 -22.3 -0.0 -18.1 -36.0 -15.9 -0.0 -2.1   |
| 31 32  Import/E 33  Import/E 34 35 36 37 38 39 40 41 42 43 44 45 50 51  Import/E 52 53 54 55 56 57 58 59  | 220 kV  Export of HVDC  Export of HVDC  - 765 kV  - 400 kV  - 132kV  Export of HVDC  - 765 kV   | ALIPURDUAR-BONGAIGAON ALIPURDUAR-SALAKATI  NER (With NR) BISWANATH CHARIALI-AGRA  WR (With NR) CHAMPA-KURUKSHETRA VCHAL B/B APL-MHG GWALIOR-AGRA PHAGI-GWALIOR JABAL-PUR-ORAI GWALIOR-ORAI SATNA-ORAI CHITTORGARI-BANASKANTHA ZERDA-KANKROLI ZERDA -BHINMAL VCHAL -RIHAND RAPP-SHUJALPUR BHANPURA-RANPUR BHANPURA-RANPUR BHANPURA-WORAK MEHGAON-AURAIYA MALANPUR-AURAIYA GWALIOR-SAWAI MADHOPUR  WR (With SR) BHADRAWATI B/B BARSUR-L-SILERU SOLAPUR-RAICHUR WARDHA-NIZAMABAD KOLHAPUR-KUDGI KOLHAPUR-CHIKODI PONDA-AMBEWADI | D/C D/C D/C D/C D/C D/C D/C D/C D/C S/C S/C S/C S/C S/C S/C S/C S/C S/C S | 0<br>0<br>0<br>1<br>1<br>0<br>451<br>0<br>0<br>0<br>0<br>649<br>0<br>260<br>217<br>415<br>984<br>138<br>58<br>56<br>105<br>164<br>0      | 799 151 ER-NER  504 NER-NR  0 0 0 1923 2695 1547 9954 0 1475 1070 180 322 0 404 73 95 0 11 0 WR-NR  995 0 1727 2623 0 0 0 115 0 WR-SR | 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0   | 11.0<br>1.7<br>21.3<br>10.4<br>10.4<br>10.4<br>10.4<br>10.4<br>10.4<br>10.4<br>10.4<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>1 | -11 -2 -21.3  -10.4 -10.4 -10.4 -10.4  -10.4  -28.3 -4.6 -43.9 -46.2 -24.1 -33.0 -11.2 -29.5 -4.1 -0.9 -1.2 -22.7 -1 -1.0 -0.4 -1.6 -0.7 -0.0 -167.1  -22.3 -0.0 -18.1 -36.0 -15.9 -0.0 -2.1 -0.0 -62.7  |
| 31<br>32<br>(mport/F<br>33<br>(mport/F<br>34<br>35<br>36<br>37<br>38<br>39<br>40<br>41<br>42<br>43<br>44<br>45<br>46<br>47<br>48<br>49<br>50<br>51<br>(mport/F<br>52<br>53<br>54<br>55<br>56<br>57<br>58    | 220 kV  Export of HVDC  Export of HVDC  - 765 kV  - 400 kV  - 132kV  Export of HVDC  - 765 kV   | 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 GWALIOR-ORAI SATNA-ORAI CHITTORGARI-BANASKANTHA ZERDA-KANKROLI ZERDA-BHINMAL VCHAL-RIHAND RAPP-SHUJALPUR BHANPURA-RANPUR BHANPURA-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 D/C S/C S/C S/C S/C S/C S/C S/C S/C S/C S | 0<br>0<br>0<br>1<br>1<br>0<br>451<br>0<br>0<br>0<br>0<br>0<br>649<br>0<br>260<br>217<br>415<br>984<br>138<br>58<br>56<br>105<br>164<br>0 | 799 151 ER-NER  504 NER-NR  0 0 0 1923 2695 1547 9954 0 1475 1070 180 322 0 404 73 95 0 11 0 WR-NR  995 0 1727 2623 0 0 0 115 0 WR-SR | 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0   | 11.0<br>1.7<br>21.3<br>10.4<br>10.4<br>10.4<br>10.4<br>10.4<br>10.4<br>10.4<br>10.4<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>1 | -11 -2 -21.3 -10.4 -10.4 -10.4 -10.4 -10.4 -28.3 -4.6 -43.9 -46.2 -24.1 -33.0 -11.2 -29.5 -4.1 -0.9 -1.2 -22.7 -1 -1.0 -0.4 -1.6 -0.7 -0.0 -167.1 -22.3 -0.0 -18.1 -36.0 -15.9 -0.0 -2.1 -0.0  |