

National Load Despatch Centre राष्ट्रीय भार प्रेषण केंद्र

POWER SYSTEM OPERATION CORPORATION LIMITED पाँवर सिस्टम ऑपरेशन कारपोरेशन लिमिटेड

(Government of India Enterprise/ भारत सरकार का उद्यम) B-9, QUTUB INSTITUTIONAL AREA, KATWARIA SARAI, NEW DELHI -110016 बी-9, कृतुब इन्स्टीट्यूशनल एरिया, कटवारिया सराये, न्यू दिल्ली-110016

Ref: POSOCO/NLDC/SO/Daily PSP Report

दिनांक: 04th Mar 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.,२९ , रेस कोर्स क्रॉस रोड, बंगलुरु –५६०००९ Executive Director, SRLDC, 29, Race Course Cross Road, Bangalore-560009

Sub: Daily PSP Report for the date 03.03.2020.

महोदय/Dear Sir,

आई॰ई॰जी॰सी॰-2010 की धारा स.-5.5.1 के प्रावधान के अनुसार, दिनांक 03-मार्च-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 03nd Mar 2020, is available at the NLDC website.

धन्यवाद,

Report for previous day Date of Reporting

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 hrs; from RLDCs) | 42485 | 49877 | 44904 | 16713 | 2130 | 156109 |
| Peak Shortage (MW) | 600 | 0 | 0 | 0 | 257 | 857 |
| Energy Met (MU) | 914 | 1219 | 1117 | 347 | 38 | 3635 |
| Hydro Gen (MU) | 145 | 44 | 108 | 29 | 5 | 330 |
| Wind Gen (MU) | 7 | 54 | 23 | | | 83 |
| Solar Gen (MU)* | 41.01 | 28.00 | 82.52 | 1.53 | 0.03 | 153 |
| Energy Shortage (MU) | 9.3 | 0.0 | 0.5 | 0.0 | 1.8 | 11.6 |
| Maximum Demand Met during the day (MW) & time | 45510 | 56883 | 51794 | 17928 | 2205 | 170170 |
| (from NLDC SCADA) | 19:20 | 11:19 | 10:29 | 18:48 | 19:19 | 09:24 |

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 | 0.033 | 0.00 | 0.00 | 4.68 | 4.68 | 76.85 | 18.47 |

C. Power Supply Position in States

| Region | States | Max. Demand Met during the day (MW) | Shortage during maximum Demand (MW) | Energy Met (MU) | Drawal Schedule (MU) | OD(+)/UD(-) (MU) | Max OD (MW) | Energy Shortage (MU) |
|--------|------------------------|---|---|-----------------|-------------------------|---------------------|----------------|-------------------------|
| | Punjab | 5594 | 0 | 116.5 | 75.7 | -1.1 | 72 | 0.0 |
| | Haryana | 6120 | 0 | 119.5 | 90.1 | 0.1 | 168 | 0.0 |
| | Rajasthan | 13448 | 0 | 244.7 | 71.3 | -1.4 | 315 | 0.0 |
| | Delhi | 3406 | 0 | 62.8 | 46.7 | -0.6 | 158 | 0.0 |
| NR | UP | 13860 | 0 | 257.1 | 126.4 | -2.1 | 230 | 0.0 |
| | Uttarakhand | 1863 | 0 | 35.0 | 15.8 | 0.3 | 137 | 0.0 |
| | HP | 1650 | 0 | 28.4 | 21.9 | -0.7 | 106 | 0.0 |
| | J&K(UT) and Ladakh(UT) | 2724 | 681 | 46.9 | 39.6 | -1.6 | 229 | 9.3 |
| | Chandigarh | 211 | 0 | 3.4 | 3.5 | -0.2 | 36 | 0.0 |
| | Chhattisgarh | 3963 | 0 | 86.2 | 39.7 | -1.0 | 556 | 0.0 |
| | Gujarat | 16482 | 0 | 363.1 | 98.8 | 4.5 | 535 | 0.0 |
| | MP | 11997 | 0 | 234.3 | 110.7 | -1.7 | 391 | 0.0 |
| WR | Maharashtra | 23294 | 0 | 490.8 | 153.1 | -1.2 | 242 | 0.0 |
| WK | Goa | 526 | 0 | 11.0 | 10.8 | -0.3 | 81 | 0.0 |
| | DD | 340 | 0 | 7.6 | 7.0 | 0.6 | 67 | 0.0 |
| | DNH | 803 | 0 | 19.0 | 18.9 | 0.1 | 56 | 0.0 |
| | Essar steel | 776 | 0 | 6.6 | 6.3 | 0.3 | 233 | 0.0 |
| | Andhra Pradesh | 9903 | 0 | 195.9 | 77.3 | 0.2 | 484 | 0.0 |
| | Telangana | 12941 | 0 | 254.0 | 139.3 | 0.9 | 838 | 0.0 |
| SR | Karnataka | 12289 | 0 | 245.1 | 75.3 | -0.3 | 527 | 0.0 |
| JI. | Kerala | 3833 | 60 | 79.9 | 59.1 | 1.6 | 224 | 0.5 |
| | Tamil Nadu | 15130 | 0 | 334.0 | 184.1 | 1.1 | 497 | 0.0 |
| | Pondy | 383 | 0 | 7.9 | 8.1 | -0.1 | 49 | 0.0 |
| | Bihar | 4037 | 0 | 73.1 | 65.9 | 0.3 | 163 | 0.0 |
| | DVC | 3066 | 0 | 62.9 | -39.2 | 0.6 | 215 | 0.0 |
| ER | Jharkhand | 1179 | 0 | 22.9 | 16.2 | -2.2 | 47 | 0.0 |
| EN | Odisha | 3837 | 0 | 71.6 | 1.5 | 0.1 | 268 | 0.0 |
| | West Bengal | 6305 | 0 | 115.5 | 30.6 | -1.5 | 226 | 0.0 |
| | Sikkim | 153 | 0 | 1.5 | 1.7 | -0.2 | 23 | 0.0 |
| | Arunachal Pradesh | 126 | 2 | 2.2 | 2.1 | 0.0 | 26 | 0.0 |
| | Assam | 1196 | 165 | 20.3 | 16.5 | -0.1 | 114 | 1.6 |
| | Manipur | 178 | 6 | 2.5 | 2.5 | 0.0 | 46 | 0.0 |
| NER | Meghalaya | 338 | 0 | 5.7 | 4.0 | 0.3 | 37 | 0.1 |
| | Mizoram | 100 | 1 | 1.6 | 1.4 | 0.0 | 24 | 0.0 |
| | Nagaland | 118 | 2 | 2.2 | 1.9 | 0.2 | 25 | 0.0 |
| | Tripura | 224 | 1 | 3.4 | 1.4 | 0.2 | 90 | 0.0 |

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

| | Bhutan | Nepal | Bangladesh |
|---------------|--------|--------|------------|
| Actual(MU) | 2.7 | -10.0 | -13.7 |
| Day peak (MW) | 501.9 | -562.7 | -863.0 |

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

| | NR | WR | SR | ER | NER | TOTAL |
|--------------|-------|--------|-------|--------|------|-------|
| Schedule(MU) | 210.4 | -279.9 | 176.6 | -115.2 | 7.9 | -0.1 |
| Actual(MU) | 197.2 | -279.0 | 198.7 | -124.2 | 10.3 | 3.0 |
| O/D/U/D(MU) | -13.2 | 0.9 | 22.1 | -9.1 | 2.4 | 3.1 |

F. Generation Outage(MW)

| | NR | WR | SR | ER | NER | Total |
|----------------|-------|-------|-------|------|------|-------|
| Central Sector | 5449 | 11780 | 6512 | 1100 | 1090 | 25931 |
| State Sector | 14730 | 14016 | 7205 | 5082 | 11 | 41044 |
| Total | 20179 | 25795 | 13717 | 6182 | 1101 | 66974 |

G. Sourcewise generation (MU)

| | NR | WR | SR | ER | NER | All India |
|-------------------------------------|-----|------|-----|-----|-----|-----------|
| Coal | 444 | 1241 | 575 | 478 | 11 | 2750 |
| Lignite | 20 | 16 | 50 | 0 | 0 | 85 |
| Hydro | 145 | 44 | 108 | 29 | 5 | 330 |
| Nuclear | 24 | 37 | 46 | 0 | 0 | 106 |
| Gas, Naptha & Diesel | 34 | 73 | 18 | 0 | 16 | 141 |
| RES (Wind, Solar, Biomass & Others) | 75 | 93 | 147 | 2 | 0 | 316 |
| Total | 741 | 1503 | 942 | 509 | 32 | 3727 |

| Share of RES in total generation (%) | 10.09 | 6.19 | 15.55 | 0.31 | 0.09 | 8.48 |
|--|-------|-------|-------|------|-------|-------|
| Share of Non-fossil fuel (Hydro, Nuclear and RES) in total generation (%) | 32.81 | 11.54 | 31.80 | 6.01 | 15.64 | 20.18 |

H. All India Demand Diversity Factor

| Based on Regional Max Demands | 1.024 | |
|-------------------------------|-------|--|
| Based on State Max Demands | 1.072 | |

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

4-Mar-20

 $[\]textbf{*Source} : RLDCs \ for \ solar \ connected \ to \ ISTS; \ SLDCs \ for \ embedded \ solar. \ Limited \ visibility \ of \ embedded \ solar \ data.$

| | | INTER-REGIONAL EXCHANGES Date of Reporting: 4-Mar- | | | | | | | | |
|--|---|---|---|---|---|---|---|---|--|--|
| | | | | | | | | Import=(+ve) /Export =(-ve) for NET (MU) | | |
| SI No | Voltage Level | Line Details | Circuit | Max Import (MW) | Max Export (MW) | Import (MU) | Export (MU) | NET (MU) | | |
| Import/E | | ER (With NR) | | | | | (110) | (| | |
| 4 | HVDC | ALIPURDUAR-AGRA | - | 0 | 0 | 0.0 | 0.0 | 0.0 | | |
| 5 | | PUSAULI B/B | S/C | 0 | 249 | 0.0 | 6.1 | -6.1 | | |
| 2 | 765kV | GAYA-VARANASI SASARAM-FATEHPUR | D/C S/C | 98 | 708 248 | 0.0 | 7.8 | -7.8 -1.5 | | |
| 3 | | GAYA-BALIA | S/C | 0 | 355 | 0.0 | 5.5 | -5.5 | | |
| 6 | | PUSAULI-VARANASI | S/C | 0 | 254 | 0.0 | 5.1 | -5.1 | | |
| 7 | | PUSAULI -ALLAHABAD | S/C | 0 | 114 | 0.0 | 0.8 | -0.8 | | |
| 8 | | MUZAFFARPUR-GORAKHPUR | D/C | 101 | 454 | 0.0 | 2.0 | -2.0 | | |
| 9 | 400 kV | PATNA-BALIA | Q/C | 0 | 853 | 0.0 | 11.0 | -11.0 | | |
| 10 | | BIHARSHARIFF-BALIA | D/C | 2 | 308 | 0.0 | 3.0 | -3.0 | | |
| 11 | - | MOTIHARI-GORAKHPUR | D/C | 0 | 555 | 0.0 | 10.0 | -10.0 | | |
| 12 | 22013/ | BIHARSHARIFF-VARANASI | D/C | 144 0 | 244 | 0.0 | 2.9 | -0.3 -2.9 | | |
| 13 14 | 220 kV | PUSAULI-SAHUPURI SONE NAGAR-RIHAND | S/C S/C | 0 | 170 | 0.0 | 0.0 | 0.0 | | |
| 15 | 1 | GARWAH-RIHAND | S/C | 30 | 0 | 0.3 | 0.0 | 0.3 | | |
| 16 | 132 kV | KARMANASA-SAHUPURI | S/C | 0 | 0 | 0.0 | 0.0 | 0.0 | | |
| 17 | 1 | KARMANASA-CHANDAULI | S/C | 0 | 0 | 0.0 | 0.0 | 0.0 | | |
| | | • | | | ER-NR | 0.3 | 55.9 | -55.6 | | |
| Import/F | Export of | ER (With WR) | | | | | | | | |
| 18 | | JHARSUGUDA-DHARAMJAIGARH | Q/C | 1677 | 0 | 31.2 | 0.0 | 31.2 | | |
| 19 | 765 kV | NEW RANCHI-DHARAMJAIGARH | D/C | 546 | 299 | 4.1 | 0.0 | 4.1 | | |
| 20 | 1 | JHARSUGUDA-DURG | D/C | 126 | 62 | 0.0 | 0.0 | 0.0 | | |
| 21 | 400 kV | JHARSUGUDA-RAIGARH | Q/C | 0 | 375 | 0.0 | 4.9 | -4.9 | | |
| 22 | -100 KV | RANCHI-SIPAT | D/C | 167 | 113 | 1.2 | 0.0 | 1.2 | | |
| 23 | 220 kV | BUDHIPADAR-RAIGARH | S/C | 0 | 108 | 0.0 | 1.4 | -1.4 | | |
| 24 | | BUDHIPADAR-KORBA | D/C | 117 | 0 | 2.0 | 0.0 | 2.0 | | |
| I 4/E | F 4 - 6 | ED (With CD) | | | ER-WR | 38.4 | 6.4 | 32.0 | | |
| | Export of | ER (With SR) | D/C | 0.0 | 695.0 | 0.0 | 14.7 | -14.7 | | |
| 26 27 | HVDC | JEYPORE-GAZUWAKA B/B TALCHER-KOLAR BIPOLE | D/C D/C | 0.0 | 2474.0 | 0.0 | 48.4 | -14.7 | | |
| 25 | 765 kV | ANGUL-SRIKAKULAM | D/C | 0.0 | 3236.0 | 0.0 | 66.3 | -66.3 | | |
| 28 | 400 kV | TALCHER-I/C | D/C | 0.0 | 705.0 | 0.0 | 3.8 | -3.8 | | |
| 29 | 220 kV | BALIMELA-UPPER-SILERRU | S/C | 1.0 | 0.0 | 0.0 | 0.0 | 0.0 | | |
| | 1 | | | | ER-SR | 0.0 | 129.4 | -129.4 | | |
| Import/E | Export of | ER (With NER) | | | | | | | | |
| 30 | 400 kV | BINAGURI-BONGAIGAON | D/C | 0 | 484 | 0.0 | 8.1 | -8 | | |
| 31 | | ALIPURDUAR-BONGAIGAON | D/C | 0 | 722 | 0.0 | 12.1 | -12 | | |
| 32 | 220 kV | ALIPURDUAR-SALAKATI | D/C | 0 | 122 | 0.0 | 2.0 | -2 | | |
| Import/E | Export of | NER (With NR) | | | ER-NER | 0.0 | 22.3 | -22.3 | | |
| 33 | HVDC | BISWANATH CHARIALI-AGRA | 1 . 1 | 0 | 503 | 0.0 | 11.6 | -11.6 | | |
| | | | | | NER-NR | 0.0 | 11.6 | -11.6 | | |
| Import/E | Export of | WR (With NR) | | | | | | · L | | |
| 34 | | | | 0 | | | | | | |
| 35 | | CHAMPA-KURUKSHETRA | D/C | 0 | 1249 | 0.0 | 10.9 | -10.9 | | |
| 36 | HVDC | CHAMPA-KURUKSHETRA V'CHAL B/B | D/C D/C | 448 | 1249 102 | 0.0 6.7 | 10.9 | -10.9 6.5 | | |
| | HVDC | | | 448 | | 6.7 0.0 | 0.2 31.1 | 6.5 -31.1 | | |
| 37 | HVDC | V'CHAL B/B APL -MHG GWALIOR-AGRA | D/C D/C D/C | 0 0 | 102 1551 2263 | 6.7 0.0 0.0 | 0.2 31.1 43.9 | 6.5 -31.1 -43.9 | | |
| 37 38 | HVDC | V'CHAL B/B APL -MHG GWALIOR-AGRA PHAGI-GWALIOR | D/C D/C D/C D/C | 448 0 0 0 | 102 1551 2263 1404 | 6.7 0.0 0.0 0.0 | 0.2 31.1 43.9 19.8 | 6.5 -31.1 -43.9 -19.8 | | |
| 37 38 39 | HVDC - 765 kV | V'CHAL B/B APL -MHG GWALIOR-AGRA PHAGI-GWALIOR JABALPUR-ORAI | D/C D/C D/C D/C D/C D/C | 0 0 0 0 0 | 102 1551 2263 1404 786 | 6.7 0.0 0.0 0.0 0.0 | 0.2 31.1 43.9 19.8 26.9 | 6.5 -31.1 -43.9 -19.8 -26.9 | | |
| 37 38 39 40 | | V'CHAL B/B APL -MHG GWALIOR-AGRA PHAGI-GWALIOR JABALPUR-ORAI GWALIOR-ORAI | D/C D/C D/C D/C D/C S/C | 448 0 0 0 0 0 0 584 | 102 1551 2263 1404 786 | 6.7 0.0 0.0 0.0 0.0 11.7 | 0.2 31.1 43.9 19.8 26.9 0.0 | 6.5 -31.1 -43.9 -19.8 -26.9 11.7 | | |
| 37 38 39 40 41 | | V'CHAL B/B APL -MHG GWALIOR-AGRA PHAGI-GWALIOR JABALPUR-ORAI GWALIOR-ORAI SATNA-ORAI | D/C D/C D/C D/C D/C S/C S/C | 448 0 0 0 0 0 0 584 0 | 102 1551 2263 1404 786 0 | 6.7 0.0 0.0 0.0 0.0 0.0 11.7 0.0 | 0.2 31.1 43.9 19.8 26.9 0.0 27.8 | 6.5 -31.1 -43.9 -19.8 -26.9 11.7 -27.8 | | |
| 37 38 39 40 41 42 | | V'CHAL 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 S/C S/C D/C | 448 0 0 0 0 0 584 0 135 | 102 1551 2263 1404 786 0 1354 | 6.7 0.0 0.0 0.0 0.0 11.7 0.0 0.0 | 0.2 31.1 43.9 19.8 26.9 0.0 27.8 9.0 | 6.5 -31.1 -43.9 -19.8 -26.9 11.7 -27.8 -9.0 | | |
| 37 38 39 40 41 42 43 | 765 kV | V'CHAL B/B APL -MHG GWALIOR-AGRA PHAGI-GWALIOR JABALPUR-ORAI GWALIOR-ORAI SATNA-ORAI CHITTORGARH-BANASKANTHA ZERDA-KANKROLI | D/C D/C D/C D/C D/C S/C S/C S/C S/C S/C | 448 0 0 0 0 0 584 0 135 110 | 102 1551 2263 1404 786 0 1354 1033 | 6.7 0.0 0.0 0.0 0.0 11.7 0.0 0.0 | 0.2 31.1 43.9 19.8 26.9 0.0 27.8 9.0 | 6.5 -31.1 -43.9 -19.8 -26.9 11.7 -27.8 -9.0 -0.1 | | |
| 37 38 39 40 41 42 43 44 | | V'CHAL B/B APL -MHG GWALIOR-AGRA PHAGI-GWALIOR JABALPUR-ORAI GWALIOR-ORAI SATNA-ORAI CHITTORGARH-BANASKANTHA ZERDA-KANKROLI ZERDA -BHINMAL | D/C D/C D/C D/C D/C S/C S/C S/C S/C S/C S/C | 448 0 0 0 0 584 0 135 110 102 | 102 1551 2263 1404 786 0 1354 | 6.7 0.0 0.0 0.0 0.0 11.7 0.0 0.0 0.0 | 0.2 31.1 43.9 19.8 26.9 0.0 27.8 9.0 0.1 3.2 | 6.5 -31.1 -43.9 -19.8 -26.9 11.7 -27.8 -9.0 -0.1 -3.2 | | |
| 37 38 39 40 41 42 43 | 765 kV | V'CHAL B/B APL -MHG GWALIOR-AGRA PHAGI-GWALIOR JABALPUR-ORAI GWALIOR-ORAI SATNA-ORAI CHITTORGARH-BANASKANTHA ZERDA-KANKROLI | D/C D/C D/C D/C D/C S/C S/C S/C S/C S/C | 448 0 0 0 0 0 584 0 135 110 102 981 | 102 1551 2263 1404 786 0 1354 1033 162 405 | 6.7 0.0 0.0 0.0 0.0 11.7 0.0 0.0 | 0.2 31.1 43.9 19.8 26.9 0.0 27.8 9.0 | 6.5 -31.1 -43.9 -19.8 -26.9 11.7 -27.8 -9.0 -0.1 | | |
| 37 38 39 40 41 42 43 44 45 | 765 kV | V'CHAL B/B APL -MHG GWALIOR-AGRA PHAGI-GWALIOR JABALPUR-ORAI GWALIOR-ORAI CHITTORGARH-BANASKANTHA ZERDA-KANKROLI ZERDA -BHINMAL V'CHAL -RIHAND | 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 | 448 0 0 0 0 584 0 135 110 102 | 102 1551 2263 1404 786 0 1354 1033 162 405 | 6.7 0.0 0.0 0.0 0.0 11.7 0.0 0.0 0.0 0.0 22.2 | 0.2 31.1 43.9 19.8 26.9 0.0 27.8 9.0 0.1 3.2 0.0 | 6.5 -31.1 -43.9 -19.8 -26.9 11.7 -27.8 -9.0 -0.1 -3.2 22.2 | | |
| 37 38 39 40 41 42 43 44 45 46 | 765 kV | V'CHAL B/B APL -MHG GWALIOR-AGRA PHAGI-GWALIOR JABALPUR-ORAI GWALIOR-ORAI SATNA-ORAI ZERDA-KANKROLI ZERDA -BHINMAL V'CHAL -RIHAND RAPP-SHUJALPUR | 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 | 448 0 0 0 0 0 584 0 135 110 102 981 233 | 102 1551 2263 1404 786 0 1354 1033 162 405 0 249 | 6.7 0.0 0.0 0.0 0.0 11.7 0.0 0.0 0.0 0.0 22.2 | 0.2 31.1 43.9 19.8 26.9 0.0 27.8 9.0 0.1 3.2 0.0 | 6.5 -31.1 -43.9 -19.8 -26.9 11.7 -27.8 -9.0 -0.1 -3.2 22.2 0 | | |
| 37 38 39 40 41 42 43 44 45 46 47 | 765 kV | 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 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 | 448 0 0 0 0 584 0 135 110 102 981 233 0 | 102 1551 2263 1404 786 0 1354 1033 162 405 0 249 96 | 6.7 0.0 0.0 0.0 0.0 11.7 0.0 0.0 0.0 0.0 22.2 0 | 0.2 31.1 43.9 19.8 26.9 0.0 27.8 9.0 0.1 3.2 0.0 0 | 6.5 -31.1 -43.9 -19.8 -26.9 11.7 -27.8 -9.0 -0.1 -3.2 22.2 0 -0.5 | | |
| 37 38 39 40 41 42 43 44 45 46 47 48 | 765 kV | 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 | 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 | 448 0 0 0 0 584 0 135 110 102 981 233 0 18 | 102 1551 2263 1404 786 0 1354 1033 162 405 0 249 96 135 | 6.7 0.0 0.0 0.0 11.7 0.0 0.0 0.0 0.0 22.2 0 0.3 0.0 | 0.2 31.1 43.9 19.8 26.9 0.0 27.8 9.0 0.1 3.2 0.0 0 | 6.5 -31.1 -43.9 -19.8 -26.9 11.7 -27.8 -9.0 -0.1 -3.2 22.2 0 -0.5 -1.5 | | |
| 37 38 39 40 41 42 43 44 45 46 47 48 | 765 kV | 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 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 | 448 0 0 0 0 584 0 135 110 102 981 233 0 18 | 102 1551 2263 1404 786 0 1354 1033 162 405 0 249 96 135 0 26 | 6.7 0.0 0.0 0.0 0.0 11.7 0.0 0.0 0.0 0.0 22.2 0 0.3 0.0 1.0 | 0.2 31.1 43.9 19.8 26.9 0.0 27.8 9.0 0.1 3.2 0.0 0 0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0 | 6.5 -31.1 -43.9 -19.8 -26.9 11.7 -27.8 -9.0 -0.1 -3.2 22.2 0 -0.5 -1.5 1.0 0.3 0.0 | | |
| 37 38 39 40 41 42 43 44 45 46 47 48 49 50 | 765 kV 400 kV 220 kV | V'CHAL B/B APL -MHG GWALIOR-AGRA PHAGI-GWALIOR JABALPUR-ORAI GWALIOR-ORAI CHITTORGARH-BANASKANTHA ZERDA-KANKROLI ZERDA -BHINMAL V'CHAL -RIHAND RAPP-SHUJALPUR BHANPURA-RANPUR BHANPURA-RANPUR BHANPURA-MORAK MEHGAON-AURAIYA MALANPUR-AURAIYA GWALIOR-SAWAI MADHOPUR | 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 | 448 0 0 0 0 0 584 0 135 110 102 981 233 0 18 97 58 | 102 1551 2263 1404 786 0 1354 1033 162 405 0 249 96 135 0 26 | 6.7 0.0 0.0 0.0 0.0 11.7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0 | 0.2 31.1 43.9 19.8 26.9 0.0 27.8 9.0 0.1 3.2 0.0 0 0.8 1.5 0.0 | 6.5 -31.1 -43.9 -19.8 -26.9 11.7 -27.8 -9.0 -0.1 -3.2 22.2 0 -0.5 -1.5 1.0 0.3 | | |
| 37 38 39 40 41 42 43 44 45 46 47 48 49 50 51 | 765 kV 400 kV 220 kV | VCHAL B/B APL -MHG GWALIOR-AGRA PHAGI-GWALIOR JABALPUR-ORAI GWALIOR-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) | 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 | 448 0 0 0 0 584 0 135 110 102 981 233 0 18 97 58 | 102 1551 2263 1404 786 0 1354 1033 162 405 0 249 96 135 0 26 0 | 6.7 0.0 0.0 0.0 0.0 11.7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0 | 0.2 31.1 43.9 19.8 26.9 0.0 27.8 9.0 0.1 3.2 0.0 0 0.8 1.5 0.0 0.0 | 6.5 -31.1 -43.9 -19.8 -26.9 11.7 -27.8 -9.0 -0.1 -3.2 22.2 0 -0.5 -1.5 1.0 0.3 0.0 -133.0 | | |
| 37 38 39 40 41 42 43 44 45 46 47 48 49 50 51 Import/E 52 | 765 kV 400 kV 220 kV | VCHAL B/B APL -MHG GWALIOR-AGRA PHAGI-GWALIOR JABALPUR-ORAI GWALIOR-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 | 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 | 448 0 0 0 0 584 0 135 110 102 981 233 0 18 97 58 0 | 102 1551 2263 1404 786 0 1354 1033 162 405 0 249 96 135 0 WR-NR | 6.7 0.0 0.0 0.0 0.0 11.7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0 | 0.2 31.1 43.9 19.8 26.9 0.0 27.8 9.0 0.1 3.2 0.0 0 0.8 1.5 0.0 0.0 175.1 | 6.5 -31.1 -43.9 -19.8 -26.9 11.7 -27.8 -9.0 -0.1 -3.2 22.2 0 -0.5 -1.5 1.0 0.3 0.0 -133.0 | | |
| 37 38 39 40 41 42 43 44 45 46 47 48 49 50 51 Import/E 52 53 | 765 kV 400 kV 220 kV 132kV | 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 | 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 | 448 0 0 0 0 0 584 0 135 110 102 981 233 0 18 97 58 0 | 102 1551 2263 1404 786 0 1354 1033 162 405 0 249 96 135 0 26 0 WR-NR | 6.7 0.0 0.0 0.0 0.0 11.7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0 | 0.2 31.1 43.9 19.8 26.9 0.0 27.8 9.0 0.1 3.2 0.0 0 0.8 1.5 0.0 0.0 175.1 | 6.5 -31.1 -43.9 -19.8 -26.9 11.7 -27.8 -9.0 -0.1 -3.2 22.2 0 -0.5 -1.5 1.0 0.3 0.0 -133.0 | | |
| 37 38 39 40 41 42 43 44 45 46 47 48 49 50 51 Import/E 52 53 54 | 765 kV 400 kV 220 kV 132kV | VCHAL B/B APL -MHG GWALIOR-AGRA PHAGI-GWALIOR JABALPUR-ORAI GWALIOR-ORAI GWALIOR-ORAI SATNA-ORAI CHITTORGARH-BANASKANTHA ZERDA -BHINMAL VCHAL -RIHAND RAPP-SHUJALPUR 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 S/C S/C S/C S/C S/C S/C S/C S/C S/C S | 448 0 0 0 0 0 584 0 135 110 102 981 233 0 18 97 58 0 | 102 1551 2263 1404 786 0 1354 1033 162 405 0 249 96 135 0 26 0 WR-NR | 6.7 0.0 0.0 0.0 0.0 11.7 0.0 0.0 0.0 0.0 0.0 0.0 1.0 0.3 0.0 1.0 0.3 0.0 42.1 | 0.2 31.1 43.9 19.8 26.9 0.0 0.1 3.2 0.0 0 0.8 1.5 0.0 0.0 0.0 175.1 | 6.5 -31.1 -43.9 -19.8 -26.9 11.7 -27.8 -9.0 -0.1 -3.2 22.2 0 -0.5 -1.5 1.0 0.3 0.0 -133.0 | | |
| 37 38 39 40 41 42 43 44 45 46 47 48 49 50 51 Import/E 52 53 54 55 | 765 kV 400 kV 220 kV 132kV Export of HVDC 765 kV | 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 | 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 D/C S/C S/C S/C S/C S/C S/C S/C S/C S/C S | 448 0 0 0 0 584 0 135 110 102 981 233 0 18 97 58 0 | 102 1551 2263 1404 786 0 1354 1033 162 405 0 249 96 135 0 26 0 WR-NR | 6.7 0.0 0.0 0.0 0.0 11.7 0.0 0.0 0.0 0.0 0.0 11.7 0.0 0.0 0.0 1.0 0.3 0.0 1.0 0.3 0.0 42.1 | 0.2 31.1 43.9 19.8 26.9 0.0 27.8 9.0 0.1 3.2 0.0 0 0.8 1.5 0.0 0.0 175.1 12.2 0.0 | 6.5 -31.1 -43.9 -19.8 -26.9 11.7 -27.8 -9.0 -0.1 -3.2 22.2 0 -0.5 -1.5 1.0 0.3 0.0 -133.0 -12.2 0.0 -46.6 -68.8 | | |
| 37 38 39 40 41 42 43 44 45 46 47 48 49 50 51 Import/E 52 53 54 55 56 | 765 kV 400 kV 220 kV 132kV Export of HVDC | 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-MORAK MEHGAON-AURAIYA MALANPUR-AURAIYA GWALIOR-SAWAI MADHOPUR WR (With SR) BHASUR-L-SILERU SOLAPUR-RAICHUR WARDHA-NIZAMABAD KOLHAPUR-KUDGI | 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 D/C S/C S/C S/C D/C S/C S/C D/C S/C S/C D/C S/C S/C D/C S/C S/C S/C S/C S/C S/C S/C S/C S/C S | 448 0 0 0 0 0 584 0 135 110 102 981 233 0 18 97 58 0 | 102 1551 2263 1404 786 0 1354 1033 162 405 0 249 96 135 0 WR-NR | 6.7 0.0 0.0 0.0 0.0 11.7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 1.0 0.3 0.0 42.1 | 0.2 31.1 43.9 19.8 26.9 0.0 0.1 3.2 0.0 0 0.8 1.5 0.0 0.0 175.1 12.2 0.0 46.6 68.8 0.0 | 6.5 -31.1 -43.9 -19.8 -26.9 11.7 -27.8 -9.0 -0.1 -3.2 22.2 0 -0.5 -1.5 1.0 0.3 0.0 -133.0 -12.2 0.0 -46.6 -68.8 12.4 | | |
| 37 38 39 40 41 42 43 44 45 46 47 48 49 50 51 Import/E 52 53 54 55 | 765 kV 400 kV 220 kV 132kV Export of HVDC 765 kV 400 kV | 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 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 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 D/C S/C S/C S/C D/C S/C S/C D/C S/C S/C S/C S/C S/C S/C S/C S/C S/C S | 448 0 0 0 0 584 0 135 110 102 981 233 0 18 97 58 0 | 102 1551 2263 1404 786 0 1354 1033 162 405 0 249 96 135 0 WR-NR | 6.7 0.0 0.0 0.0 0.0 11.7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0 | 0.2 31.1 43.9 19.8 26.9 0.0 27.8 9.0 0.1 3.2 0.0 0 0.8 1.5 0.0 0.0 175.1 12.2 0.0 68.8 0.0 0.0 0.0 | 6.5 -31.1 -43.9 -19.8 -26.9 11.7 -27.8 -9.0 -0.1 -3.2 22.2 0 -0.5 -1.5 1.0 0.3 0.0 -133.0 -12.2 0.0 -46.6 -68.8 12.4 0.0 | | |
| 37 38 39 40 41 42 43 44 45 46 47 48 49 50 51 Import/E 52 53 54 55 56 57 58 | 765 kV 400 kV 220 kV 132kV Export of HVDC 765 kV 400 kV | 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 BHANPURA-RANPUR BHANPURA-RANPUR BHANPURA-WORAK MEHGAON-AURAIYA MALANPUR-AURAIYA GWALIOR-SAWAI MADHOPUR WR (With SR) BHANGHANTI 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 S/C S/C S/C S/C S/C S/C S/C S/C D/C S/C S/C S/C S/C S/C S/C S/C S/C S/C S | 448 0 0 0 0 0 584 0 135 110 102 981 233 0 18 97 58 0 | 102 1551 2263 1404 786 0 1354 1033 162 405 0 249 96 135 0 WR-NR | 6.7 0.0 0.0 0.0 0.0 11.7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 1.0 0.3 0.0 42.1 | 0.2 31.1 43.9 19.8 26.9 0.0 27.8 9.0 0.1 3.2 0.0 0 0.8 1.5 0.0 0.0 175.1 12.2 0.0 46.6 68.8 0.0 0.0 1.4 | 6.5 -31.1 -43.9 -19.8 -26.9 -11.7 -27.8 -9.0 -0.1 -3.2 -22.2 0 -0.5 -1.5 1.0 0.3 0.0 -133.0 -12.2 0.0 -46.6 -68.8 12.4 0.0 -1.4 | | |
| 37 38 39 40 41 42 43 44 45 46 47 48 49 50 51 Import/E 52 53 54 55 | 765 kV 400 kV 220 kV 132kV Export of HVDC 765 kV 400 kV | 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 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 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 D/C S/C S/C S/C D/C S/C S/C D/C S/C S/C S/C S/C S/C S/C S/C S/C S/C S | 448 0 0 0 0 584 0 135 110 102 981 233 0 18 97 58 0 | 102 1551 2263 1404 786 0 1354 1033 162 405 0 249 96 135 0 WR-NR | 6.7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0 | 0.2 31.1 43.9 19.8 26.9 0.0 27.8 9.0 0.1 3.2 0.0 0 0.8 1.5 0.0 0.0 175.1 12.2 0.0 46.6 68.8 0.0 0.0 1.4 | 6.5 -31.1 -43.9 -19.8 -26.9 -11.7 -27.8 -9.0 -0.1 -3.2 -22.2 0 -0.5 -1.5 1.0 0.3 0.0 -133.0 -12.2 0.0 -46.6 -68.8 12.4 0.0 -1.4 1.7 | | |
| 37 38 39 40 41 42 43 44 45 46 47 48 49 50 51 Import/E 52 53 54 55 56 57 58 | 765 kV 400 kV 220 kV 132kV Export of HVDC 765 kV 400 kV | 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-RANPUR BHANPURA-WANDUR GWALIOR-SAWAI MADHOPUR WR (With SR) BHADRAWATI B/B BARSUR-L.SILERU SOLAPUR-RAICHUR WARDHA-NIZAMABAD KOLHAPUR-KUDGI KOLHAPUR-CHIKODI PONDA-AMBEWADI XELDEM-AMBEWADI | 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 D/C S/C S/C S/C S/C S/C S/C S/C S/C S/C S | 448 0 0 0 0 584 0 135 110 102 981 233 0 18 97 58 0 0 0 2339 0 0 0 0 0 0 0 0 0 0 0 0 0 | 102 1551 2263 1404 786 0 1354 1033 162 405 0 249 96 135 0 26 0 WR-NR | 6.7 0.0 0.0 0.0 0.0 11.7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0 | 0.2 31.1 43.9 19.8 26.9 0.0 27.8 9.0 0.1 3.2 0.0 0 0.8 1.5 0.0 0.0 175.1 12.2 0.0 46.6 68.8 0.0 0.0 1.4 | 6.5 -31.1 -43.9 -19.8 -26.9 -11.7 -27.8 -9.0 -0.1 -3.2 -22.2 0 -0.5 -1.5 1.0 0.3 0.0 -133.0 -12.2 0.0 -46.6 -68.8 12.4 0.0 -1.4 | | |
| 37 38 39 40 41 42 43 44 45 46 47 48 49 50 51 Import/E 52 53 54 55 56 57 | 765 kV 400 kV 220 kV 132kV Export of HVDC 765 kV 400 kV | VCHAL B/B APL -MHG GWALIOR-AGRA PHAGI-GWALIOR JABALPUR-ORAI GWALIOR-ORAI CHITTORGARH-BANASKANTHA ZERDA-KANKROLI ZERDA -BHINMAL VCHAL -RIHAND RAPP-SHUJALPUR BHANPURA-RANPUR BHANPURA-RANPUR BHANPURA-WALIANIA GWALIOR-SAWAI MADHOPUR WR (With SR) BHADRAWATI B/B BARSUR-L.SILERU SOLAPUR-RAICHUR WARDHA-NIZAMABAD KOLHAPUR-CHIKODI PONDA-AMBEWADI T | 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 D/C S/C S/C S/C S/C S/C S/C S/C S/C S/C S | 448 0 0 0 0 584 0 135 110 102 981 233 0 18 97 58 0 | 102 1551 2263 1404 786 0 1354 1033 162 405 0 249 96 135 0 26 0 WR-NR | 6.7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0 | 0.2 31.1 43.9 19.8 26.9 0.0 27.8 9.0 0.1 3.2 0.0 0 0.8 1.5 0.0 0.0 175.1 12.2 0.0 46.6 68.8 0.0 0.0 1.4 | 6.5 -31.1 -43.9 -19.8 -26.9 -11.7 -27.8 -9.0 -0.1 -3.2 -22.2 0 -0.5 -1.5 -1.0 0.3 0.0 -133.0 -12.2 0.0 -46.6 -68.8 -68.8 -12.4 0.0 -1.4 -1.7 -114.9 | | |
| 37 38 39 40 41 42 43 44 45 46 47 48 49 50 51 Import/E 52 53 54 55 56 57 58 | 765 kV 400 kV 220 kV 132kV Export of HVDC 765 kV 400 kV | 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-RANPUR BHANPURA-WANDUR GWALIOR-SAWAI MADHOPUR WR (With SR) BHADRAWATI B/B BARSUR-L.SILERU SOLAPUR-RAICHUR WARDHA-NIZAMABAD KOLHAPUR-KUDGI KOLHAPUR-CHIKODI PONDA-AMBEWADI XELDEM-AMBEWADI | 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 D/C S/C S/C S/C S/C S/C S/C S/C S/C S/C S | 448 0 0 0 0 584 0 135 110 102 981 233 0 18 97 58 0 0 0 2339 0 0 0 0 0 0 0 0 0 0 0 0 0 | 102 1551 2263 1404 786 0 1354 1033 162 405 0 249 96 135 0 26 0 WR-NR | 6.7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0 | 0.2 31.1 43.9 19.8 26.9 0.0 27.8 9.0 0.1 3.2 0.0 0 0.8 1.5 0.0 0.0 175.1 12.2 0.0 46.6 68.8 0.0 0.0 1.4 | 6.5 -31.1 -43.9 -19.8 -26.9 -11.7 -27.8 -9.0 -0.1 -3.2 -22.2 0 -0.5 -1.5 1.0 0.3 0.0 -133.0 -12.2 0.0 -46.6 -68.8 12.4 0.0 -1.4 1.7 | | |