

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: 06th Aug 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 05.08.2020.

महोदय/Dear Sir.

आई॰ई॰जी॰सी॰-2010 की धारा स.-5.5.1 के प्रावधान के अनुसार, दिनांक 05-अगस्त-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 05th August 2020, is available at the NLDC website.

धन्यवाद.

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



Report for previous day
A. Power Supply Position at All India and Regional level

Of-Aug-2020

| | NR | WR | SR | ER | NER | TOTAL |
|--|-------|-------|-------|-------|-------|--------|
| Demand Met during Evening Peak hrs(MW) (at 2000 hrs; from RLDCs) | 59484 | 40134 | 35782 | 18322 | 2865 | 156587 |
| Peak Shortage (MW) | 83 | 0 | 0 | 0 | 8 | 91 |
| Energy Met (MU) | 1389 | 1002 | 793 | 382 | 55 | 3621 |
| Hydro Gen (MU) | 354 | 26 | 109 | 141 | 28 | 658 |
| Wind Gen (MU) | 8 | 65 | 200 | | - | 273 |
| Solar Gen (MU)* | 36.50 | 17.40 | 46.70 | 4.27 | 0.04 | 105 |
| Energy Shortage (MU) | 2.6 | 0.0 | 0.0 | 0.0 | 0.0 | 2.6 |
| Maximum Demand Met During the Day (MW) (From NLDC SCADA) | 63822 | 43862 | 37093 | 18236 | 3065 | 158564 |
| Time Of Maximum Demand Met (From NLDC SCADA) | 22:15 | 10:36 | 08:30 | 23:29 | 20:35 | 11:51 |

| | | Max.Demand | Shortage during | Energy Met | Drawal | OD(+)/UD(-) | Max OD | Energy |
|--------|----------------------|------------------------|-----------------------|------------|------------------|-------------|--------|-----------------|
| Region | States | Met during the day(MW) | maximum Demand(MW) | (MU) | Schedule (MU) | (MU) | (MW) | Shortag (MU) |
| | Punjab | 12334 | 0 | 272.0 | 139.6 | -0.9 | 184 | 0.0 |
| | Haryana | 9503 | 965 | 208.2 | 183.0 | 2.1 | 369 | 2.4 |
| | Rajasthan | 12137 | 0 | 250.1 | 102.6 | 0.9 | 425 | 0.0 |
| | Delhi | 5596 | 0 | 115.7 | 99.1 | 0.0 | 262 | 0.1 |
| NR | UP | 21649 | 0 | 419.4 | 207.3 | 0.3 | 658 | 0.0 |
| | Uttarakhand | 1859 | 0 | 40.2 | 19.4 | 1.4 | 241 | 0.2 |
| | HP | 1456 | 0 | 31.5 | -2.8 | -0.6 | 57 | 0.0 |
| | J&K(UT) & Ladakh(UT) | 2224 | 0 | 45.6 | 19.6 | 0.3 | 236 | 0.0 |
| | Chandigarh | 332 | 0 | 6.3 | 6.2 | 0.1 | 58 | 0.0 |
| | Chhattisgarh | 3977 | 0 | 92.1 | 34.3 | 1.0 | 366 | 0.0 |
| | Gujarat | 14829 | 0 | 308.9 | 98.0 | -1.4 | 707 | 0.0 |
| | MP | 8891 | 0 | 201.7 | 112.3 | -1.5 | 475 | 0.0 |
| WR | Maharashtra | 16708 | 0 | 354.7 | 113.4 | -4.3 | 705 | 0.0 |
| | Goa | 402 | 0 | 7.4 | 7.1 | 0.0 | 92 | 0.0 |
| | DD | 261 | 0 | 5.5 | 5.4 | 0.1 | 39 | 0.0 |
| | DNH | 572 | 0 | 12.6 | 12.4 | 0.2 | 38 | 0.0 |
| | AMNSIL | 861 | 0 | 19.1 | 6.7 | 0.4 | 293 | 0.0 |
| | Andhra Pradesh | 6646 | 0 | 146.0 | 31.5 | -0.4 | 533 | 0.0 |
| | Telangana | 10404 | 0 | 207.6 | 110.6 | -1.1 | 634 | 0.0 |
| SR | Karnataka | 6685 | 0 | 131.1 | -1.0 | -1.7 | 852 | 0.0 |
| | Kerala | 2855 | 0 | 50.0 | 32.5 | -0.9 | 336 | 0.0 |
| | Tamil Nadu | 11820 | 0 | 250.6 | 89.2 | -3.4 | 605 | 0.0 |
| | Puducherry | 343 | 0 | 7.3 | 7.7 | -0.4 | 23 | 0.0 |
| | Bihar | 4106 | 0 | 81.6 | 78.5 | -2.3 | 549 | 0.0 |
| | DVC | 2796 | 0 | 58.3 | -37.4 | 0.1 | 235 | 0.0 |
| | Jharkhand | 1337 | 0 | 22.8 | 15.9 | -1.0 | 173 | 0.0 |
| ER | Odisha | 4140 | 0 | 78.6 | 5.2 | -0.5 | 298 | 0.0 |
| | West Bengal | 6882 | 0 | 140.0 | 46.1 | -1.6 | 336 | 0.0 |
| | Sikkim | 69 | 0 | 0.8 | 1.3 | -0.5 | 12 | 0.0 |
| | Arunachal Pradesh | 115 | 0 | 2.0 | 2.2 | -0.2 | 7 | 0.0 |
| | Assam | 1897 | 12 | 36.4 | 32.2 | -0.2 | 104 | 0.0 |
| | Manipur | 193 | 1 | 2.5 | 2.3 | 0.2 | 43 | 0.0 |
| NER | Meghalaya | 298 | 0 | 5.1 | -0.1 | -0.2 | 28 | 0.0 |
| | Mizoram | 90 | 0 | 1.5 | 1.2 | 0.1 | 14 | 0.0 |
| | Nagaland | 134 | 1 | 2.2 | 2.3 | -0.3 | 13 | 0.0 |
| | Tripura | 283 | 3 | 5.2 | 5.2 | 0.0 | 70 | 0.0 |

| D. Transnational Exchanges (MU) - Import(+ve)/Export(-ve) | | | |
|---|--------|-------|------------|
| | Bhutan | Nepal | Bangladesh |
| Actual (MU) | 53.6 | -3.7 | -25.5 |
| D. D. I (4000) | 22110 | 222.0 | 4004.0 |

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

| | , () | | | | | |
|--------------|-------|--------|-------|--------|-----|-------|
| | NR | WR | SR | ER | NER | TOTAL |
| Schedule(MU) | 366.0 | -273.2 | 42.5 | -137.2 | 1.9 | 0.0 |
| Actual(MU) | 378.8 | -272.7 | 24.6 | -142.1 | 3.8 | -7.5 |
| O/D/U/D(MU) | 12.8 | 0.5 | -17.9 | -4.9 | 1.9 | -7.5 |

F. Generation Outage(MW)

| | NR | WR | SR | ER | NER | TOTAL |
|----------------|-------|-------|-------|------|------|-------|
| Central Sector | 4998 | 15887 | 12812 | 1745 | 1011 | 36452 |
| State Sector | 10434 | 20832 | 15890 | 5152 | 47 | 52355 |
| Total | 15432 | 36719 | 28702 | 6897 | 1058 | 88807 |
| | | | | | | |

G. Sourcewise generation (MU)

| | NR | WR | SR | ER | NER | All India |
|--|-------|-------|-------|-------|-------|-----------|
| Coal | 544 | 1056 | 298 | 419 | 6 | 2323 |
| Lignite | 22 | 13 | 20 | 0 | 0 | 55 |
| Hydro | 354 | 26 | 109 | 141 | 28 | 658 |
| Nuclear | 21 | 32 | 46 | 0 | 0 | 99 |
| Gas, Naptha & Diesel | 31 | 71 | 13 | 0 | 22 | 138 |
| RES (Wind, Solar, Biomass & Others) | 66 | 91 | 295 | 4 | 0 | 456 |
| Total | 1038 | 1289 | 781 | 565 | 56 | 3729 |
| Share of RES in total generation (%) | 6.34 | 7.06 | 37.79 | 0.76 | 0.07 | 12.24 |
| Share of Non-fossil fuel (Hydro, Nuclear and RES) in total generation(%) | 42.44 | 11.57 | 57.67 | 25.79 | 49.02 | 32.54 |

| Н. | All | India | Demand | Diversity | Factor |
|----|-----|-------|--------|-----------|--------|
| | | | | | |

| Based on Regional Max Demands | 1.047 |
|-------------------------------|-------|
| Based on State Max Demands | 1.102 |

Dassett on State Sign Delination

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

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

INTER-REGIONAL EXCHANGES

Import=(+ve) /Export =(-ve) for NET (MU)

| 10 No. of Cont. | S1 | | | | | | | Date of Reporting: | 06-Aug-2020 |
|--|---|--|--|---|--|---|---|--|--|
| | .51 | Voltage Level | Line Details | No. of Circuit | Max Import (MW) | Max Export (MW) | Import (MII) | | |
| | No | - | | 110. 01 Circuit | max import (m m) | Max Export (MW) | Import (MC) | Export (MC) | THE (MC) |
| 2 | | | | 2 | 0 | 1601 | 0.0 | 31.9 | -31 9 |
| 3 | | | | - | | | | | |
| Color | | 765 kV | GAYA-VARANASI | 2 | | | | | |
| | | | | 1 | | | | | |
| The SHAPE TRAVELLE ALL MANAGEMENT | | | | 1 | | | | | |
| B | | | | 1 | | | | | |
| 1 | | | MUZAFFARPUR-GORAKHPUR | 2 | | | | | |
| 11 | | | | 4 | | | | | |
| 10 | | 400 kV | | 2 | 0 | 488 | 0.0 | 8.4 | -8.4 |
| 10 20 10 10 10 10 10 10 | | | | | | | | | |
| 15 15 15 15 15 15 15 15 | | | | 2 | | | | | |
| 15 12.5 12 | | | | 1 | | | | | |
| 10 12 12 12 13 13 13 14 15 16 16 16 16 16 16 16 | | | | 1 | | | | | |
| 17 123 124 124 124 124 125 | | | | i | | | | | |
| SEARCH STATE STA | | | | i | | | | | |
| 1 76 SAV BILKENCLORD-DIARAMALAGORIE 4 996 317 6.3 0.0 6.3 | | | | | | ER-NR | | 131.4 | -131.2 |
| 1 | | | | | | 1 | | 1 | 1 |
| 1 | | | | | | | | | |
| | | 765 kV | NEW RANCHI-DHARAMJAIGARH | | 1272 | 0 | 16.2 | 0.0 | 16.2 |
| S | 3 | 765 kV | JHARSUGUDA-DURG | 2 | 195 | 82 | 0.7 | 0.0 | 0.7 |
| 1 20 | 4 | 400 kV | JHARSUGUDA-RAIGARH | 4 | 182 | 155 | 0.5 | 0.0 | 0.5 |
| 1 20 | 5 | 400 kV | | 2 | 417 | | | 0.0 | |
| 2 2014 DIDITI ADAR-KORRA 2 147 6 2.3 6.0 2.3 2 | | 220 kV | | 1 | | | | | |
| The property of FR (Was NR) | | | | | | | | | |
| | H | , | | | 1 17/ | | | | |
| HUNC PAYONE GAZIWAKA BB 2 0 544 0.0 12.4 -12.4 -12.5 | Impo | ort/Export of ER (V | Vith SR) | | | | <u> </u> | | |
| 3 264 NACIL-SHIKARLAM | 1 | HVDC | JEYPORE-GAZUWAKA B/B | | | | | | |
| 1 400 MAY TALCHERACE 2 1064 652 7.4 0.0 7.4 | | | | | | 1728 | 0.0 | | |
| Second S | | | | | | | | | |
| Imperfequent of ER (Wish NE) | | | | | 1064 | | | | |
| | _5_ | 220 KV | DALIMELA-UPPER-SILERRU | | | | | | |
| 1 | Imno | ort/Export of ER (| Vith NER) | | | EK-5K | 0.0 | /1./ | -/1./ |
| 2 | | 400 kV | BINAGURI-BONGAIGAON | 2 | 0 | 495 | 0.0 | 8.5 | -8.5 |
| Import Indian I | | | ALIPURDUAR-BONGAIGAON | 2 | | | | | |
| Import I | | | | 2 | | 146 | 0.0 | 2.2 | -2.2 |
| HYDE BISWANATH CHARRALI-AGRA 2 0 705 0.0 13.5 -13.5 | | - | arm ven | | | ER-NER | 0.0 | 16.7 | -16.7 |
| Import Speri of WR With NR | Impo | | | | 1 0 | 505 | 0.0 | 12.5 | 13.5 |
| Import Famour of WR (With NR) | _1_ | HVDC | BISWANATH CHARIALI-AGRA | 2 | 0 | | | | |
| HVPC | Imno | rt/Export of WR (| With NR) | | | NEW-IN | U.U | 13.3 | -13.3 |
| A | | | | 2 | 0 | 1754 | 0.0 | 54.4 | -54.4 |
| 4 | | | | - | | | | | |
| 5 765 kV PHAGI-GWALIOR 2 0 1530 0.0 30.3 | | | | | | | | | |
| 6 | | | | | | | | | |
| 7 | | | | | | | | | |
| S | | | | 2 | | | | | |
| 9 | | | | 1 | | | | | |
| 10 | | | | 2 | | | | | |
| 11 400 kV ZERDA_BHINNAL | | | | | | | | | |
| 12 400 kV VINDITYACHAL-RIHAND | | | | | | | | | |
| 13 400 kV RAPPSHIJALPUR 2 0 664 0.0 10.8 -10.8 14 220 kV BHANPURA-RANPUR 1 11 0 0.0 0.2 -2.6 -2.6 15 220 kV BHANPURA-RANPUR 1 11 0 144 0.0 1.8 -1.8 16 220 kV MEJIGAON-AURAIVA 1 76 27 0.2 0.4 -0.2 17 220 kV MEJIGAON-AURAIVA 1 40 59 0.6 0.1 0.5 18 1312 kV GWALIORS-SWAM MADHOPUR 1 0 0 0 0.0 0.0 0.0 19 132 kV GWALIORS-SWAM MADHOPUR 2 0 0 0 0.0 0.0 0.0 19 132 kV GWALIORS-SWAM MADHOPUR 2 0 0 0 0.0 0.0 0.0 19 132 kV GWALIORS-SWAM MADHOPUR 2 0 0 0 0 0.0 0.0 19 132 kV GWALIORS-SWAM MADHOPUR 2 0 0 0 0 0 0 0.0 19 132 kV GWALIORS-SWAM MADHOPUR 2 0 0 0 0 0 0 0 0.0 19 132 kV GWALIORS-SWAM MADHOPUR 2 0 0 0 0 0 0 0 0 0 | | | | | | | | | |
| 15 220 kV BHANPURA-MORAK | | | | , | | 664 | | | 10.0 |
| 16 220 kV W ALANDRA 1 76 27 0.2 0.4 -0.2 17 220 kV M ALANDRA 1 40 59 0.6 0.1 0.5 18 132 kV GWALIOR-SAWAI MADHOPUR 1 0 0 0 0.0 0.0 0.0 | | 220 177 | | | | | 0.0 | 10.8 | -10.8 |
| 17 220 kV MALANPUR-AURALYA | 15 | | | 1 | | 0 | 0.0 | | |
| 18 | | 220 kV | BHANPURA-MORAK | 1 1 | 0 | 0 144 | 0.0 0.0 | 2.6 1.8 | -2.6 -1.8 |
| 19 132 kV RAIGHAT-LALITPUR 2 0 0 0.0 0.0 0.0 | 16 | 220 kV 220 kV | BHANPURA-MORAK MEHGAON-AURAIYA | 1 1 1 | 0 76 | 0 144 27 | 0.0 0.0 0.2 | 2.6 1.8 0.4 | -2.6 -1.8 -0.2 |
| NR-NR 34,3 281,2 -246,9 | 16 17 | 220 kV 220 kV 220 kV | BHANPURA-MORAK MEHGAON-AURAIYA MALANPUR-AURAIYA | 1 1 1 | 0 76 40 | 0 144 27 59 | 0.0 0.0 0.2 0.6 | 2.6 1.8 0.4 0.1 | -2.6 -1.8 -0.2 0.5 |
| ImportExport of WR (With SR) | 16 17 18 | 220 kV 220 kV 220 kV 132 kV | BHANPURA-MORAK MEHGAON-AURAIYA MALANPUR-AURAIYA GWALIOR-SAWAI MADHOPUR | 1 1 1 1 1 | 0 76 40 0 | 0 144 27 59 0 | 0.0 0.0 0.2 0.6 0.0 | 2.6 1.8 0.4 0.1 0.0 | -2.6 -1.8 -0.2 0.5 0.0 |
| 2 | 16 17 18 | 220 kV 220 kV 220 kV 132 kV | BHANPURA-MORAK MEHGAON-AURAIYA MALANPUR-AURAIYA GWALIOR-SAWAI MADHOPUR | 1 1 1 1 1 | 0 76 40 0 | 0 144 27 59 0 | 0.0 0.0 0.2 0.6 0.0 | 2.6 1.8 0.4 0.1 0.0 0.0 | -2.6 -1.8 -0.2 0.5 0.0 |
| 2 | 16 17 18 19 | 220 kV 220 kV 220 kV 132 kV 132 kV | BHANPURA-MORAK MEHGAON-AURAIYA MALANPUR-AURAIYA GWALIOR-SAWAI MADHOPUR RAJGHAT-LALITPUR | 1 1 1 1 1 | 0 76 40 0 | 0 144 27 59 0 | 0.0 0.0 0.2 0.6 0.0 | 2.6 1.8 0.4 0.1 0.0 0.0 | -2.6 -1.8 -0.2 0.5 0.0 |
| 4 765 kW WARDHA-NIZAMABAD 2 198 1852 0.0 24.0 -24.0 -24.0 5 400 kW KOLIAPUR-KUDGI 2 314 0 20.9 0.0 20.9 0.0 20.9 6 220 kW KOLIAPUR-KUBGDI 2 0 0 0 0.0 | 16 17 18 19 Import | 220 kV 220 kV 220 kV 132 kV 132 kV rt/Export of WR (| BHANPURA-MORAK MEHGAON-AURAIYA MALANPUR-AURAIYA GWALIOR-SAWAI MADHOPUR RAJGHAT-LALITPUR With SR) BHADRAWATI B/B | 1 1 1 1 1 1 2 | 0 76 40 0 0 | 0 144 27 59 0 0 WR-NR | 0.0 0.0 0.2 0.6 0.0 0.0 34.3 | 2.6 1.8 0.4 0.1 0.0 0.0 281.2 | -2.6 -1.8 -0.2 0.5 0.0 0.0 -246.9 |
| S 400 kV KOLHAPUR-KUDGI 2 1314 0 20.9 0.0 20.9 | 16 17 18 19 Import 1 2 | 220 kV 220 kV 220 kV 132 kV 132 kV rt/Export of WR (HVDC | BHANPURA-MORAK MEHGAON-AURAIYA MALANPUR-AURAIYA GWALIOR-SAWAI MADHOPUR RAJGHAT-LALITPUR With SR) BHADRAWATI B/B RAIGARH-PUGALUR | 1 1 1 1 1 1 2 | 0 76 40 0 0 | 0 144 27 59 0 WR-NR | 0.0 0.0 0.2 0.6 0.0 0.0 34.3 | 2.6 1.8 0.4 0.1 0.0 0.0 281.2 | -2.6 -1.8 -0.2 0.5 0.0 0.0 -246.9 |
| Color | 16 17 18 19 Import 1 2 3 | 220 kV 220 kV 220 kV 132 kV 132 kV 14 kV 15 kV 17 kV | BHANPURA-MORAK MEHGAON-AURAIYA MALANPUR-AURAIYA GWALIOR-SAWAI MADHOPUR RAJGHAT-LALITPUR With SR) BHADRAWATI B/B RAIGARH-PUGALUR SOLAPUR-RAICHUR | 1 1 1 1 1 1 1 2 | 0 76 40 0 0 0 | 0 144 27 59 0 WR-NR | 0.0 0.0 0.2 0.6 0.0 0.0 34.3 0.0 0.0 | 2.6 1.8 0.4 0.1 0.0 0.0 281.2 7.3 0.0 | -2.6 -1.8 -0.2 0.5 0.0 0.0 -246.9 -7.3 0.0 |
| 7 220 kV PONDA-AMBEWADI 1 0 0 0.0 0.0 0.0 0.0 | 16 17 18 19 Import 1 2 3 4 | 220 kV 220 kV 220 kV 132 kV 132 kV rt/Export of WR (HVDC HVDC HVDC 765 kV | BHANPURA-MORAK MEHGAON-AURAIYA MALANPUR-AURAIYA GWALIOR-SAWAI MADHOPUR RAJGHAT-LALITPUR With SR) BHADRAWATI B/B RAIGARH-PUGALUR SOLAPUR-RAICHUR WARDHA-NIZAMABAD | 1 1 1 1 1 1 2 2 | 0 76 40 0 0 0 1775 198 | 0 144 27 59 0 WR-NR 312 0 809 1852 | 0.0 0.0 0.2 0.6 0.0 0.0 34.3 0.0 0.0 16.9 | 2.6 1.8 0.4 0.1 0.0 0.0 281.2 7.3 0.0 1.0 24.0 | -2.6 -1.8 -0.2 -0.5 -0.0 -0.0 -246.9 -7.3 -0.0 -15.9 -24.0 |
| S 220 kV XELDEM-AMBEWADI | 16 17 18 19 Import 1 2 3 4 5 | 220 kV 220 kV 220 kV 132 kV 132 kV rt/Export of WR (HVDC HVDC 765 kV 400 kV | BHANPURA-MORAK MEHGAON-AURAIYA MALANPUR-AURAIYA GWALIOR-SAWAI MADHOPUR RAJGHAT-LALITPUR With SR) BHADRAWATI B/B RAIGARI-PUGALUR SOLAPUR-RAICHUR WARDHA-NIZAMABAD KOLHAPUR-KUDGI | 1 1 1 1 1 1 2 2 | 0 76 40 0 0 0 1775 198 1314 | 0 144 27 59 0 0 WR-NR 312 0 809 1852 0 | 0.0 0.0 0.2 0.6 0.0 0.0 0.0 34.3 0.0 0.0 16.9 0.0 | 2.6 1.8 0.4 0.1 0.0 0.0 0.0 281.2 7.3 0.0 1.0 24.0 0.0 0.0 | -2.6 -1.8 -0.2 -0.5 -0.0 -0.0 -246.9 -7.3 -0.0 -15.9 -24.0 -20.9 |
| State Region Line Name Max (MW) Min (MW) Avg (MW) Energy Exchange (MII) | 16 17 18 19 Impor 1 2 3 4 5 | 220 kV 220 kV 220 kV 132 kV 132 kV ort/Export of WR (HVDC 765 kV 765 kV 400 kV 220 kV | BHANPURA-MORAK MEHGAON-AURAIYA MALANPUR-AURAIYA GWALIOR-SAWAI MADHOPUR RAJGHAT-LALITPUR With SR) BHADRAWATI B/B RAIGARH-PUGALUR SOLAPUR-RAICHUR WARDHA-NIZAMABAD KOLIAPUR-KUIDGI KOLIAPUR-CHIKODI | 1 1 1 1 1 1 2 2 2 2 2 2 2 2 2 | 0 76 40 0 0 0 1775 198 1314 | 0 144 27 59 0 0 WR-NR 312 0 809 1852 0 | 0.0 0.0 0.2 0.6 0.0 0.0 34.3 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 | 2.6 1.8 0.4 0.1 0.0 0.0 281.2 7.3 0.0 1.0 24.0 0.0 | -2.6 -1.8 -0.2 -0.5 -0.0 -0.0 -246.9 -7.3 -0.0 -15.9 -24.0 20.9 |
| State Region Line Name Max (MW) Min (MW) Avg (MW) Energy Exchange (MII) | 16 17 18 19 Impor 1 2 3 4 5 6 | 220 kV 220 kV 220 kV 132 kV 132 kV 132 kV 14 kV 152 kV 155 kV 1765 kV 160 kV 16 | BHANPURA-MORAK MEHGAON-AURAIYA MALANPUR-AURAIYA GWALIOR-SAWAI MADHOPUR RAJGHAT-LALITPUR With SR) BHADRAWATI B/B RAIGARH-PUGALUR SOLAPUR-RAICHUR WARDHA-NIZAMABAD KOLHAPUR-KUDGI KOLHAPUR-CHIKODI PONDA-AMBEWADI | 1 1 1 1 1 1 2 2 2 2 2 2 2 2 2 | 0 76 40 0 0 0 1775 198 1314 | 0 144 27 59 0 0 WR-NR 312 0 809 1852 0 0 | 0.0 0.2 0.2 0.6 0.0 0.0 34.3 0.0 0.0 16.9 0.0 0.0 10.9 0.0 0.0 0.0 0.0 0.0 0.0 0.0 | 2.6 1.8 0.4 0.1 0.0 0.0 281.2 7.3 0.0 1.0 2.4.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 | -2.6 -1.8 -0.2 -0.5 -0.0 -0.0 -246.9 -7.3 -0.0 -24.0 -24.0 -20.9 -0.0 -0.0 |
| State Region Line Name Max (MW) Min (MW) Avg (MW) Energy Exchange (MII) | 16 17 18 19 Impor 1 2 3 4 5 6 | 220 kV 220 kV 220 kV 132 kV 132 kV 132 kV 14 kV 152 kV 155 kV 1765 kV 160 kV 16 | BHANPURA-MORAK MEHGAON-AURAIYA MALANPUR-AURAIYA GWALIOR-SAWAI MADHOPUR RAJGHAT-LALITPUR With SR) BHADRAWATI B/B RAIGARH-PUGALUR SOLAPUR-RAICHUR WARDHA-NIZAMABAD KOLHAPUR-KUDGI KOLHAPUR-CHIKODI PONDA-AMBEWADI | 1 1 1 1 1 1 2 2 2 2 2 2 2 2 2 | 0 76 40 0 0 0 1775 198 1314 | 0 144 27 59 0 0 WR-NR 312 0 809 1852 0 0 | 0.0 0.2 0.2 0.6 0.0 0.0 34.3 0.0 0.0 16.9 0.0 0.0 10.9 0.0 0.0 0.0 0.0 0.0 0.0 0.0 | 2.6 1.8 0.4 0.1 0.0 0.0 281.2 7.3 0.0 1.0 2.4.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 | -2.6 -1.8 -0.2 -0.5 -0.0 -0.0 -246.9 -7.3 -0.0 -15.9 -24.0 -20.9 -0.0 -0.0 |
| State Region Life Name Max (MW) Min (MW) Avg (MW) (MII) | 16 17 18 19 Impor 1 2 3 4 5 6 | 220 kV 220 kV 220 kV 132 kV 132 kV 132 kV 14 kV 152 kV 155 kV 1765 kV 160 kV 16 | BHANPURA-MORAK MEHGAON-AURAIYA MALANPUR-AURAIYA GWALIOR-SAWAI MADHOPUR RAJGHAT-LALITPUR With SR) BHADRAWATI B/B RAIGARH-PUGALUR SOLAPUR-RAICHUR WARDHA-NIZAMABAD KOLHAPUR-KUDGI KOLHAPUR-CHIKODI PONDA-AMBEWADI | 1 1 1 1 1 1 2 2 2 2 2 2 2 2 2 2 2 | 0 76 40 0 0 0 1775 198 1314 0 0 | 0 144 27 59 0 0 WR-NR 312 0 809 1852 0 0 0 WR-SR | 0.0 0.2 0.2 0.6 0.0 0.0 34.3 0.0 0.0 16.9 0.0 0.0 10.9 0.0 0.0 0.0 0.0 0.0 0.0 0.0 | 2.6 1.8 0.4 0.1 0.0 0.0 281.2 7.3 0.0 1.0 2.4.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 | -2.6 -1.8 -0.2 -0.5 -0.0 -0.0 -246.9 -7.3 -0.0 -15.9 -24.0 -20.9 -0.0 -0.0 |
| ER | 16 17 18 19 Impor 1 2 3 4 5 6 | 220 kV 220 kV 220 kV 132 kV 132 kV rt/Export of WR (HVDC HVDC 765 kV 400 kV 220 kV 220 kV | BHANPURA-MORAK MEHGAON-AURAIYA MALANPUR-AURAIYA GWALIOR-SAWAI MADHOPUR RAJGHAT-LALITPUR With SR) BHADRAWATI B/B RAIGARI-PUGALUR SOLAPUR-RAICHUR WARDHA-NIZAMABAD KOLHAPUR-KUDGI KOLHAPUR-CHIKODI PONDA-AMBEWADI XELDEM-AMBEWADI | 1 1 1 1 1 1 1 2 2 2 2 2 2 2 2 2 1 1 1 1 | 0 76 40 0 0 0 1775 198 1314 0 0 1 | 0 144 27 59 0 0 WR-NR 312 0 809 1852 0 0 0 WR-SR | 0.0 0.0 0.2 0.6 0.0 0.0 34.3 0.0 0.0 16.9 0.0 20.9 0.0 0.0 37.8 | 2.6 1.8 0.4 0.1 0.0 0.0 281.2 7.3 0.0 1.0 24.0 0.0 0.0 32.4 | -2.6 -1.8 -0.2 -0.5 -0.0 -0.0 -246.9 -7.3 -0.0 -24.0 -24.0 -20.9 -0.0 -0.0 -0.0 -0.0 -0.0 -0.0 -0.0 - |
| MANGDECHU HEP 4*180MW) | 16 17 18 19 Impor 1 2 3 4 5 6 | 220 kV 220 kV 220 kV 132 kV 132 kV rt/Export of WR (HVDC HVDC 765 kV 400 kV 220 kV 220 kV | BHANPURA-MORAK MEHGAON-AURAIYA MALANPUR-AURAIYA GWALIOR-SAWAI MADHOPUR RAJGHAT-LALITPUR With SR) BHADRAWATI B/B RAIGARI-PUGALUR SOLAPUR-RAICHUR WARDHA-NIZAMABAD KOLHAPUR-KUDGI KOLHAPUR-CHIKODI PONDA-AMBEWADI XELDEM-AMBEWADI | 1 1 1 1 1 1 1 2 2 2 2 2 2 2 2 1 1 1 1 1 | 0 76 40 0 0 0 1775 198 1314 0 0 1 | 0 144 27 59 0 0 WR-NR 312 0 809 1852 0 0 0 WR-SR | 0.0 0.0 0.2 0.6 0.0 0.0 34.3 0.0 0.0 16.9 0.0 20.9 0.0 0.0 37.8 | 2.6 1.8 0.4 0.1 0.0 0.0 281.2 7.3 0.0 1.0 24.0 0.0 0.0 32.4 | -2.6 -1.8 -0.2 -0.5 -0.0 -0.0 -246.9 -7.3 -0.0 -15.9 -24.0 -20.9 -0.0 -0.0 -0.0 -0.0 -0.0 |
| BHUTAN ER | 16 17 18 19 Impor 1 2 3 4 5 6 | 220 kV 220 kV 220 kV 132 kV 132 kV rt/Export of WR (HVDC HVDC 765 kV 400 kV 220 kV 220 kV | BHANPURA-MORAK MEHGAON-AURAIYA MALANPUR-AURAIYA GWALIOR-SAWAI MADHOPUR RAJGHAT-LALITPUR With SR) BHADRAWATI B/B RAIGARH-PUGALUR SOLAPUR-RAICHUR WARDHA-NIZAMABAD KOLHAPUR-KUDGI KOLHAPUR-KUDGI KOLHAPUR-KUDGI KOLHAPUR-KUDGI XELDEM-AMBEWADI XELDEM-AMBEWADI | 1 1 1 1 1 1 1 1 2 2 2 2 2 2 2 2 2 1 | 0 76 40 0 0 0 0 0 1775 198 1314 0 0 1 1 1 2 1 2 1 2 1 2 1 2 1 2 1 2 1 2 | 0 144 27 59 0 WR-NR 312 0 809 1852 0 0 0 WR-SR | 0.0 0.0 0.2 0.6 0.0 0.0 0.0 34.3 0.0 0.0 16.9 0.0 20.9 0.0 37.8 | 2.6 1.8 0.4 0.1 0.0 0.0 0.0 281.2 7.3 0.0 1.0 24.0 0.0 0.0 0.0 32.4 Avg (MW) | -2.6 -1.8 -0.2 -0.5 -0.0 -0.0 -246.9 -7.3 -0.0 -24.0 -24.0 -20.9 -0.0 -0.0 -0.0 -0.0 -0.0 -0.0 -0.0 - |
| ER | 16 17 18 19 Impor 1 2 3 4 5 6 | 220 kV 220 kV 220 kV 132 kV 132 kV rt/Export of WR (HVDC HVDC 765 kV 400 kV 220 kV 220 kV | BHANPURA-MORAK MEHGAON-AURAIYA MALANPUR-AURAIYA GWALIOR-SAWAI MADHOPUR RAJGHAT-LALITPUR With SR) BHADRAWATI B/B RAIGARH-PUGALUR SOLAPUR-RAICHUR WARDHA-NIZAMABAD KOLHAPUR-KUDGI KOLHAPUR-KUDGI KOLHAPUR-KUDGI KOLHAPUR-KUDGI XELDEM-AMBEWADI XELDEM-AMBEWADI | 1 | 0 76 40 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 | 0 144 27 59 0 WR-NR 312 0 809 1852 0 0 0 WR-SR | 0.0 0.0 0.2 0.6 0.0 0.0 0.0 34.3 0.0 0.0 16.9 0.0 20.9 0.0 37.8 | 2.6 1.8 0.4 0.1 0.0 0.0 0.0 281.2 7.3 0.0 1.0 24.0 0.0 0.0 0.0 32.4 Avg (MW) | -2.6 -1.8 -0.2 -0.5 -0.0 -0.0 -246.9 -7.3 -0.0 -24.0 -24.0 -20.9 -0.0 -0.0 -0.0 -0.0 -0.0 -0.0 -0.0 - |
| RECEIPT (from TALA HEP (6*170MW) 220kV CHUKHA-BIRPARA 1&2 (& 220kV MALBASE - BIRPARA) 372 0 319 7.7 | 16 17 18 19 Impor 1 2 3 4 5 6 | 220 kV 220 kV 220 kV 132 kV 132 kV rt/Export of WR (HVDC HVDC 765 kV 400 kV 220 kV 220 kV | BHANPURA-MORAK MEHGAON-AURAIYA MALANPUR-AURAIYA GWALIOR-SAWAI MADHOPUR RAJGHAT-LALITPUR With SR) BHADRAWATI B/B RAIGARH-PUGALUR SOLAPUR-RAICHUR WARDHA-NIZAMABAD KOLHAPUR-KUDGI KOLHAPUR-KUDGI KOLHAPUR-KUDGI KOLHAPUR-KUDGI XELDEM-AMBEWADI XELDEM-AMBEWADI | 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 | 0 76 40 0 0 0 0 0 1775 198 1314 0 0 0 1 1 1 2 1 2 1 2 1 2 1 2 1 2 1 2 1 | 0 144 27 59 0 WR-NR 312 0 809 1852 0 0 0 WR-SR | 0.0 0.0 0.2 0.6 0.0 0.0 0.0 34.3 0.0 0.0 16.9 0.0 20.9 0.0 37.8 | 2.6 1.8 0.4 0.1 0.0 0.0 0.0 281.2 7.3 0.0 1.0 24.0 0.0 0.0 0.0 32.4 Avg (MW) | -2.6 -1.8 -0.2 -0.5 -0.0 -0.0 -246.9 -7.3 -0.0 -24.0 -24.0 -20.9 -0.0 -0.0 -0.0 -0.0 -0.0 -0.0 -0.0 - |
| BHUTAN ER MALBASE - BIRPARA 1.6. BIRPARA 372 0 319 7.7 | 16 17 18 19 Impor 1 2 3 4 5 6 | 220 kV 220 kV 220 kV 132 kV 132 kV rt/Export of WR (HVDC HVDC 765 kV 400 kV 220 kV 220 kV | BHANPURA-MORAK MEHGAON-AURAIYA MALANPUR-AURAIYA GWALIOR-SAWAI MADHOPUR RAJGHAT-LALITPUR With SR) BHADRAWATI B/B RAIGARH-PUGALUR SOLAPUR-RAICHUR WARDHA-NIZAMABAD KOLHAPUR-KUDGI KOLHAPUR-KUDGI KOLHAPUR-KUDGI KOLHAPUR-KUDGI KOLHAPUR-MEMBEWADI XELDEM-AMBEWADI Region RE | 1 | 0 76 40 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 | 0 144 27 59 0 0 WR-NR 312 0 809 1852 0 0 0 0 WR-SR | 0.0 0.0 0.2 0.6 0.0 0.0 0.0 34.3 0.0 0.0 16.9 0.0 20.9 0.0 37.8 | 2.6 1.8 0.4 0.1 0.0 0.0 0.0 281.2 7.3 0.0 1.0 24.0 0.0 0.0 0.0 32.4 Avg (MW) | -2.6 -1.8 -0.2 0.5 0.0 0.0 -246.9 -7.3 0.0 15.9 -24.0 20.9 0.0 0.0 0.0 5.4 |
| NER | 16 17 18 19 Impor 1 2 3 4 5 6 | 220 kV 220 kV 220 kV 132 kV 132 kV rt/Export of WR (HVDC HVDC 765 kV 400 kV 220 kV 220 kV | BHANPURA-MORAK MEHGAON-AURAIYA MALANPUR-AURAIYA GWALIOR-SAWAI MADHOPUR RAJGHAT-LALITPUR With SR) BHADRAWATI B/B RAIGARH-PUGALUR SOLAPUR-RAICHUR WARDHA-NIZAMABAD KOLHAPUR-KUDGI KOLHAPUR-KUDGI KOLHAPUR-KUDGI KOLHAPUR-KUDGI KOLHAPUR-MEMBEWADI XELDEM-AMBEWADI Region RE | 1 | 0 76 40 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 | 0 144 27 59 0 0 WR-NR 312 0 809 1852 0 0 0 0 WR-SR | 0.0 0.0 0.2 0.6 0.0 0.0 0.0 34.3 0.0 0.0 16.9 0.0 20.9 0.0 37.8 | 2.6 1.8 0.4 0.1 0.0 0.0 0.0 281.2 7.3 0.0 1.0 24.0 0.0 0.0 0.0 32.4 Avg (MW) | -2.6 -1.8 -0.2 0.5 0.0 0.0 -246.9 -7.3 0.0 15.9 -24.0 20.9 0.0 0.0 0.0 5.4 |
| NER 132KV-GEYLEGPHU - SALAKATI 52 35 -46 -1.1 NER 132kV Motanga-Rangia 66 30 -51 -1.2 NR 132KV-TANAKPUR(NH) - -59 0 -37 -0.9 NEPAL ER 132KV-BHAR - NEPAL -53 33 -62 -1.5 ED 220KV-MUZAFFARPUR - DHALKEBAR 310 10 57 144 ED 220KV-MUZAFFARPUR - DHALKEBAR 310 10 57 144 The state of the s | 16 17 18 19 Impor 1 2 3 4 5 6 | 220 kV 220 kV 220 kV 132 kV 132 kV rt/Export of WR (HVDC HVDC 765 kV 400 kV 220 kV 220 kV | BHANPURA-MORAK MEHGAON-AURAIYA MALANPUR-AURAIYA GWALIOR-SAWAI MADHOPUR RAJGHAT-LALITPUR WIth SR) BHADRAWATI B/B RAIGARH-PUGALUR SOLIAPUR-RAICHUR WARDHA-NIZAMABAD KOLIHAPUR-KUIDGI KOLIHAPUR-CHIKODI PONDA-AMBEWADI XELDEM-AMBEWADI Region ER ER | 1 | 0 76 40 0 0 0 1775 198 1314 0 0 1 1775 198 1314 0 1 1 1 ENATIONAL EXCHA Name 2CEIPT (from 4*180MW) URI 1,2,4 (& 400kV (RI) i.e. BINAGURI A HEP (6*170MW) A HEP (6*170MW) | 0 144 27 59 0 0 WR-NR 312 0 809 1852 0 0 WR-SR NGES Max (MW) 779 | 0.0 0.0 0.2 0.6 0.0 0.0 0.0 34.3 0.0 0.0 16.9 0.0 20.9 0.0 0.0 37.8 | 2.6 1.8 0.4 0.1 0.0 0.0 0.0 281.2 7.3 0.0 1.0 24.0 0.0 0.0 0.0 32.4 Avg (MW) | -2.6 -1.8 -0.2 -0.5 -0.0 -0.0 -246.9 -7.3 -0.0 -15.9 -24.0 -20.9 -0.0 -0.0 -0.0 -15.9 -24.0 -15.9 -24.0 -15.9 -24.0 -15.9 -24.0 -15.9 -25.1 |
| NER 132kV Motanga-Rangia 66 30 -51 -1.2 | 16 17 18 19 Impor 1 2 3 4 5 6 | 220 kV 220 kV 220 kV 132 kV 132 kV rt/Export of WR (HVDC HVDC 765 kV 400 kV 220 kV 220 kV | BHANPURA-MORAK MEHGAON-AURAIYA MALANPUR-AURAIYA GWALIOR-SAWAI MADHOPUR RAJGHAT-LALITPUR WIth SR) BHADRAWATI B/B RAIGARH-PUGALUR SOLIAPUR-RAICHUR WARDHA-NIZAMABAD KOLIHAPUR-KUIDGI KOLIHAPUR-CHIKODI PONDA-AMBEWADI XELDEM-AMBEWADI Region ER ER | 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 | 0 76 40 0 0 0 0 0 1775 198 1314 0 0 0 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 | 0 144 27 59 0 0 WR-NR 312 0 809 1852 0 0 WR-SR NGES Max (MW) 779 | 0.0 0.0 0.2 0.6 0.0 0.0 0.0 34.3 0.0 0.0 16.9 0.0 20.9 0.0 0.0 37.8 | 2.6 1.8 0.4 0.1 0.0 0.0 0.0 281.2 7.3 0.0 1.0 24.0 0.0 0.0 0.0 32.4 Avg (MW) | -2.6 -1.8 -0.2 -0.5 -0.0 -0.0 -246.9 -7.3 -0.0 -15.9 -24.0 -20.9 -0.0 -0.0 -0.0 -15.4 |
| NER 132kV Motanga-Rangia 66 30 -51 -1.2 | 16 17 18 19 Impor 1 2 3 4 5 6 | 220 kV 220 kV 220 kV 132 kV 132 kV rt/Export of WR (HVDC HVDC 765 kV 400 kV 220 kV 220 kV | BHANPURA-MORAK MEHGAON-AURAIYA MALANPUR-AURAIYA GWALIOR-SAWAI MADHOPUR RAJGHAT-LALITPUR WIth SR) BHADRAWATI B/B RAIGARH-PUGALUR SOLIAPUR-RAICHUR WARDHA-NIZAMABAD KOLIHAPUR-KUIDGI KOLIHAPUR-CHIKODI PONDA-AMBEWADI XELDEM-AMBEWADI Region ER ER | 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 | 0 76 40 0 0 0 0 0 1775 198 1314 0 0 0 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 | 0 144 27 59 0 0 WR-NR 312 0 809 1852 0 0 WR-SR NGES Max (MW) 779 | 0.0 0.0 0.2 0.6 0.0 0.0 0.0 34.3 0.0 0.0 16.9 0.0 20.9 0.0 0.0 37.8 | 2.6 1.8 0.4 0.1 0.0 0.0 0.0 281.2 7.3 0.0 1.0 24.0 0.0 0.0 0.0 32.4 Avg (MW) | -2.6 -1.8 -0.2 -0.5 -0.0 -0.0 -246.9 -7.3 -0.0 -15.9 -24.0 -20.9 -0.0 -0.0 -0.0 -15.4 |
| NR 132KV-TANAKPUR(NH)59 0 -37 -0.9 NEPAL ER 132KV-BIHAR - NEPAL -53 33 -62 -1.5 ED 220KV-MUZAFFARPUR - DHALKEBAR 340 10 57 144 | 16 17 18 19 Impor 1 2 3 4 5 6 | 220 kV 220 kV 220 kV 132 kV 132 kV rt/Export of WR (HVDC HVDC 765 kV 400 kV 220 kV 220 kV | BHANPURA-MORAK MEHGAON-AURAIYA MALANPUR-AURAIYA GWALIOR-SAWAI MADHOPUR RAJGHAT-LALITPUR With SR) BHADRAWATI B/B RAIGARH-PUGALUR SOLAPUR-RAICHUR WARDHA-NIZAMABAD KOLHAPUR-KUDGI KOLHAPUR-KUDGI KOLHAPUR-CHIKODI PONDA-AMBEWADI XELDEM-AMBEWADI Region ER ER | 1 | 0 76 40 0 0 0 1 77 10 0 0 0 177 1775 198 1314 0 0 1 1 1 2NATIONAL EXCHA Name IU-ALIPURDUAR 1&2 CCEIPT (from 14180MW) URI 1,2,4 (& 400kV IRI) i.e. BINAGURI A HEP (6*170MW) PARAT 1&2 (& 220kV CA) i.e. BIRPARA KHA HEP 4*84MW) | 0 144 27 59 0 0 WR-NR 312 0 809 1852 0 0 WR-SR WR-SR 1072 372 | 0.0 0.0 0.2 0.6 0.0 0.0 34.3 0.0 0.0 16.9 0.0 20.9 0.0 37.8 Min (MW) 763 | 2.6 1.8 0.4 0.1 0.0 0.0 2.0 2.81.2 7.3 0.0 1.0 2.4.0 0.0 0.0 32.4 Avg (MW) 770 | -2.6 -1.8 -0.2 0.5 0.0 0.0 -246.9 -7.3 0.0 15.9 -24.0 0.0 0.0 0.0 5.4 |
| NR 132KV-TANAKPUR(NH)59 0 -37 -0.9 NEPAL ER 132KV-BIHAR - NEPAL -53 33 -62 -1.5 ED 220KV-MUZAFFARPUR - DHALKEBAR 340 10 57 144 | 16 17 18 19 Impor 1 2 3 4 5 6 | 220 kV 220 kV 220 kV 132 kV 132 kV rt/Export of WR (HVDC HVDC 765 kV 400 kV 220 kV 220 kV | BHANPURA-MORAK MEHGAON-AURAIYA MALANPUR-AURAIYA GWALIOR-SAWAI MADHOPUR RAJGHAT-LALITPUR With SR) BHADRAWATI B/B RAIGARH-PUGALUR SOLAPUR-RAICHUR WARDHA-NIZAMABAD KOLHAPUR-KUDGI KOLHAPUR-KUDGI KOLHAPUR-CHIKODI PONDA-AMBEWADI XELDEM-AMBEWADI Region ER ER | 1 | 0 76 40 0 0 0 1 77 10 0 0 0 177 1775 198 1314 0 0 1 1 1 2NATIONAL EXCHA Name IU-ALIPURDUAR 1&2 CCEIPT (from 14180MW) URI 1,2,4 (& 400kV IRI) i.e. BINAGURI A HEP (6*170MW) PARAT 1&2 (& 220kV CA) i.e. BIRPARA KHA HEP 4*84MW) | 0 144 27 59 0 0 WR-NR 312 0 809 1852 0 0 WR-SR WR-SR 1072 372 | 0.0 0.0 0.2 0.6 0.0 0.0 34.3 0.0 0.0 16.9 0.0 20.9 0.0 37.8 Min (MW) 763 | 2.6 1.8 0.4 0.1 0.0 0.0 2.0 2.81.2 7.3 0.0 1.0 2.4.0 0.0 0.0 32.4 Avg (MW) 770 | -2.6 -1.8 -0.2 0.5 0.0 0.0 -246.9 -7.3 0.0 15.9 -24.0 0.0 0.0 0.0 5.4 |
| NR MAHENDRANAGAR(PG) -59 0 -37 -0.9 NEPAL ER 132KV-BIHAR - NEPAL -53 33 -62 -1.5 ED 220KV-MUZAFFARPUR - DHALKEBAR 340 10 57 144 | 16 17 18 19 Impor 1 2 3 4 5 6 | 220 kV 220 kV 220 kV 132 kV 132 kV rt/Export of WR (HVDC HVDC 765 kV 400 kV 220 kV 220 kV | BHANPURA-MORAK MEHGAON-AURAIYA MALANPUR-AURAIYA GWALIOR-SAWAI MADHOPUR RAJGHAT-LALITPUR With SR) BHADRAWATI B/B RAIGARH-PUGALUR SOLAPUR-RAICHUR WARDHA-NIZAMABAD KOLHAPUR-KUDGI KOLHAPUR-KUDGI KOLHAPUR-CHIKODI PONDA-AMBEWADI XELDEM-AMBEWADI Region ER ER ER ER | 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 | 0 76 40 0 0 0 1775 198 1314 0 0 1 1775 198 1314 0 1 1 2NATIONAL EXCHA Name 1U-ALIPURDUAR 1&2 CCEIPT (from 4*180MW) URI 12.4 (& 400kV) IRI 12.4 (& 400kV) IRI 12.4 (& 400kV) IRI 14.4 (& 400kV) IRI 16.4 IRIPARA KHA HEP (4*170MW) 1-SALAKATI | 0 144 27 59 0 WR-NR 312 0 809 1852 0 0 WR-SR NGES Max (MW) 779 1072 | 0.0 0.0 0.2 0.6 0.0 0.0 0.0 0.0 34.3 0.0 0.0 16.9 0.0 20.9 0.0 0.0 37.8 Min (MW) 763 | 2.6 1.8 0.4 0.1 0.0 0.0 0.0 281.2 7.3 0.0 1.0 24.0 0.0 0.0 0.0 32.4 Avg (MW) 770 1047 | -2.6 -1.8 -0.2 -1.8 -0.2 0.5 -0.0 0.0 -0.0 -246.9 -7.3 -0.0 -24.0 -20.9 -0.0 -0.0 -5.4 Energy Exchange (MII) -18.5 -25.1 -7.7 |
| NR MAHENDRANAGAR(PG) -59 0 -37 -0.9 NEPAL ER 132KV-BIHAR - NEPAL -53 33 -62 -1.5 ED 220KV-MUZAFFARPUR - DHALKEBAR 340 10 57 144 | 16 17 18 19 Impor 1 2 3 4 5 6 | 220 kV 220 kV 220 kV 132 kV 132 kV rt/Export of WR (HVDC HVDC 765 kV 400 kV 220 kV 220 kV | BHANPURA-MORAK MEHGAON-AURAIYA MALANPUR-AURAIYA GWALIOR-SAWAI MADHOPUR RAJGHAT-LALITPUR With SR) BHADRAWATI B/B RAIGARH-PUGALUR SOLAPUR-RAICHUR WARDHA-NIZAMABAD KOLHAPUR-KUDGI KOLHAPUR-KUDGI KOLHAPUR-CHIKODI PONDA-AMBEWADI XELDEM-AMBEWADI Region ER ER ER ER | 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 | 0 76 40 0 0 0 1775 198 1314 0 0 1 1775 198 1314 0 1 1 2NATIONAL EXCHA Name 1U-ALIPURDUAR 1&2 CCEIPT (from 4*180MW) URI 12.4 (& 400kV) IRI 12.4 (& 400kV) IRI 12.4 (& 400kV) IRI 14.4 (& 400kV) IRI 16.4 IRIPARA KHA HEP (4*170MW) 1-SALAKATI | 0 144 27 59 0 WR-NR 312 0 809 1852 0 0 WR-SR NGES Max (MW) 779 1072 | 0.0 0.0 0.2 0.6 0.0 0.0 0.0 0.0 34.3 0.0 0.0 16.9 0.0 20.9 0.0 0.0 37.8 Min (MW) 763 | 2.6 1.8 0.4 0.1 0.0 0.0 0.0 281.2 7.3 0.0 1.0 24.0 0.0 0.0 0.0 32.4 Avg (MW) 770 1047 | -2.6 -1.8 -0.2 -1.8 -0.2 0.5 -0.0 0.0 -0.0 -246.9 -7.3 -0.0 -24.0 20.9 -0.0 -0.0 5.4 Energy Exchange (MII) 18.5 -25.1 |
| NEPAL ER 132KV-BIHAR - NEPAL -53 33 -62 -1.5 | 16 17 18 19 Impor 1 2 3 4 5 6 | 220 kV 220 kV 220 kV 132 kV 132 kV rt/Export of WR (HVDC HVDC 765 kV 400 kV 220 kV 220 kV | BHANPURA-MORAK MEHGAON-AURAIYA MALANPUR-AURAIYA GWALIOR-SAWAI MADHOPUR RAJGHAT-LALITPUR With SR) BHADRAWATI B/B RAIGARH-PUGALUR SOLAPUR-RAICHUR WARDHA-NIZAMABAD KOLHAPUR-KUDGI KOLHAPUR-KUDGI KOLHAPUR-CHIKODI PONDA-AMBEWADI XELDEM-AMBEWADI Region ER ER ER ER | 1 | 0 76 40 0 0 0 1 1775 198 1314 0 0 0 1 1775 198 1314 0 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 | 0 144 27 59 0 WR-NR 312 0 809 1852 0 0 WR-SR NGES Max (MW) 779 1072 | 0.0 0.0 0.2 0.6 0.0 0.0 0.0 0.0 34.3 0.0 0.0 16.9 0.0 20.9 0.0 0.0 37.8 Min (MW) 763 | 2.6 1.8 0.4 0.1 0.0 0.0 0.0 281.2 7.3 0.0 1.0 24.0 0.0 0.0 0.0 32.4 Avg (MW) 770 1047 | -2.6 -1.8 -0.2 -1.8 -0.2 0.5 -0.0 0.0 -0.0 -246.9 -7.3 -0.0 -24.0 20.9 -0.0 -0.0 5.4 Energy Exchange (MII) 18.5 -25.1 |
| ED 220KV-MUZAFFARPUR - DHALKEBAR 310 10 57 | 16 17 18 19 Impor 1 2 3 4 5 6 | 220 kV 220 kV 220 kV 132 kV 132 kV rt/Export of WR (HVDC HVDC 765 kV 400 kV 220 kV 220 kV | BHANPURA-MORAK MEHGAON-AURAIYA MALANPUR-AURAIYA GWALIOR-SAWAI MADHOPUR RAJGHAT-LALITPUR With SN) BHADRAWATI B/B RAIGARH-PUGALUR SOLAPUR-RAICHUR WARDHA-NIZAMABAD KOLHAPUR-KUDGI KOLHAPUR-KUDGI KOLHAPUR-KUDGI REGion ER ER ER NER | 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 | 0 76 40 0 0 0 1 77 10 0 0 1 1775 198 1314 0 0 1 1 12 1314 0 1 1 12 14 15 16 17 17 18 18 18 18 18 18 18 18 18 18 18 18 18 | 0 144 27 59 0 0 WR-NR 312 0 809 1852 0 0 0 WR-SR NGES Max (MW) 779 1072 52 | 0.0 0.0 0.2 0.6 0.0 0.0 0.0 34.3 0.0 0.0 16.9 0.0 0.0 16.9 0.0 37.8 Min (MW) 763 | 2.6 1.8 0.4 0.1 0.0 0.0 0.0 281.2 7.3 0.0 1.0 24.0 0.0 0.0 0.0 0.0 32.4 Avg (MW) 770 1047 -46 | -2.6 -1.8 -0.2 0.5 0.0 0.0 0.0 -246.9 -7.3 0.0 15.9 -24.0 20.9 0.0 0.0 5.4 Energy Exchange (MII) 18.5 25.1 -7.7 -1.1 |
| ED 220KV-MUZAFFARPUR - DHALKEBAR 310 10 57 | 16 17 18 19 Impor 1 2 3 4 5 6 | 220 kV 220 kV 220 kV 132 kV 132 kV rt/Export of WR (HVDC HVDC 765 kV 400 kV 220 kV 220 kV | BHANPURA-MORAK MEHGAON-AURAIYA MALANPUR-AURAIYA GWALIOR-SAWAI MADHOPUR RAJGHAT-LALITPUR With SN) BHADRAWATI B/B RAIGARH-PUGALUR SOLAPUR-RAICHUR WARDHA-NIZAMABAD KOLHAPUR-KUDGI KOLHAPUR-KUDGI KOLHAPUR-KUDGI REGion ER ER ER NER | 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 | 0 76 40 0 0 0 1 77 10 0 0 1 1775 198 1314 0 0 1 1 12 1314 0 1 1 12 14 15 16 17 17 18 18 18 18 18 18 18 18 18 18 18 18 18 | 0 144 27 59 0 0 WR-NR 312 0 809 1852 0 0 0 WR-SR NGES Max (MW) 779 1072 52 | 0.0 0.0 0.2 0.6 0.0 0.0 0.0 34.3 0.0 0.0 16.9 0.0 0.0 16.9 0.0 37.8 Min (MW) 763 | 2.6 1.8 0.4 0.1 0.0 0.0 0.0 281.2 7.3 0.0 1.0 24.0 0.0 0.0 0.0 0.0 32.4 Avg (MW) 770 1047 -46 | -2.6 -1.8 -0.2 0.5 0.0 0.0 0.0 -246.9 -7.3 0.0 15.9 -24.0 20.9 0.0 0.0 5.4 Energy Exchange (MII) 18.5 25.1 -7.7 -1.1 |
| | 16 17 18 19 Impor 1 2 3 4 5 6 | 220 kV 220 kV 220 kV 132 kV 132 kV 132 kV 17 kV 18 kV | BHANPURA-MORAK MEHGAON-AURAIYA MALANPUR-AURAIYA GWALIOR-SAWAI MADHOPUR RAJGHAT-LALITPUR With SR) BHADRAWATI B/B RAIGARH-PUGALUR SOLAPUR-RAICHUR WARDHA-NIZAMABAD KOLHAPUR-KUDGI KOLHAPUR-KUDGI KOLHAPUR-CHIKODI PONDA-AMBEWADI Region ER ER ER NER NER | 1 | 0 76 40 0 0 0 1 1775 198 1314 0 0 0 1 1775 198 1314 0 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 | 0 144 27 59 0 0 WR-NR 312 0 809 1852 0 0 WR-SR NGES Max (MW) 779 1072 372 52 66 | 0.0 0.0 0.2 0.6 0.0 0.0 0.0 34.3 0.0 0.0 16.9 0.0 0.0 20.9 0.0 0.0 37.8 Min (MW) 763 1045 | 2.6 1.8 0.4 0.1 0.0 0.0 0.0 281.2 7.3 0.0 1.0 2.4.0 0.0 0.0 0.0 0.0 32.4 Avg (MW) 770 1047 -51 | -2.6 -1.8 -0.2 -0.5 -0.0 -0.0 -0.0 -246.9 -7.3 -0.0 -15.9 -24.0 -0.0 -0.0 -0.0 -0.0 -0.0 -15.9 -1.1 -1.1 -1.2 |
| | 16 17 18 19 Impor 1 2 3 4 5 6 | 220 kV 220 kV 220 kV 132 kV 132 kV 132 kV 17 kV 18 kV | BHANPURA-MORAK MEHGAON-AURAIYA MALANPUR-AURAIYA GWALIOR-SAWAI MADHOPUR RAJGHAT-LALITPUR With SR) BHADRAWATI B/B RAIGARH-PUGALUR SOLAPUR-RAICHUR WARDHA-NIZAMABAD KOLHAPUR-KUDGI KOLHAPUR-KUDGI KOLHAPUR-CHIKODI PONDA-AMBEWADI Region ER ER ER NER NER | 1 | 0 76 40 0 0 0 1 1775 198 1314 0 0 0 1 1775 198 1314 0 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 | 0 144 27 59 0 0 WR-NR 312 0 809 1852 0 0 WR-SR NGES Max (MW) 779 1072 372 52 66 | 0.0 0.0 0.2 0.6 0.0 0.0 0.0 34.3 0.0 0.0 16.9 0.0 0.0 20.9 0.0 0.0 37.8 Min (MW) 763 1045 | 2.6 1.8 0.4 0.1 0.0 0.0 0.0 281.2 7.3 0.0 1.0 2.4.0 0.0 0.0 0.0 0.0 32.4 Avg (MW) 770 1047 -51 | -2.6 -1.8 -0.2 -0.5 -0.0 -0.0 -0.0 -246.9 -7.3 -0.0 -15.9 -24.0 -0.0 -0.0 -0.0 -0.0 -0.0 -15.9 -1.1 -1.1 -1.2 |
| | 16 17 18 19 Impor 1 2 3 4 5 6 | 220 kV 220 kV 220 kV 132 kV 132 kV 132 kV 17 kV 18 kV | BHANPURA-MORAK MEHGAON-AURAIYA MALANPUR-AURAIYA GWALIOR-SAWAI MADHOPUR RAJGHAT-LALITPUR With SR) BHADRAWATI B/B RAIGARH-PUGALUR SOLAPUR-RAICHUR WARDHA-NIZAMABAD KOLHAPUR-KUDGI KOLHAPUR-CHIKODI PONDA-AMBEWADI XELDEM-AMBEWADI Region ER ER NER NER NER | I 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 | 0 76 40 0 0 0 1775 198 1314 0 0 1 1775 198 1314 0 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 | 0 144 27 59 0 0 WR-NR 312 0 809 1852 0 0 WR-SR NGES Max (MW) 779 1072 52 66 -59 | 0.0 0.0 0.2 0.6 0.0 0.0 34.3 0.0 0.0 0.0 16.9 0.0 0.0 20.9 0.0 0.0 37.8 Min (MW) 763 1045 0 35 | 2.6 1.8 0.4 0.1 0.0 0.0 0.0 281.2 7.3 0.0 1.0 24.0 0.0 0.0 0.0 32.4 Avg (MW) 770 1047 319 -46 -51 | -2.6 -1.8 -0.2 -1.8 -0.2 0.5 -0.0 -0.0 -0.0 -246.9 -7.3 -0.0 -15.9 -24.0 -0.0 -0.0 -0.0 -0.0 -15.9 -1.1 -1.1 -1.2 -0.9 |
| | 16 17 18 19 Impor 1 2 3 4 5 6 | 220 kV 220 kV 220 kV 132 kV 132 kV 132 kV 17 kV 18 kV | BHANPURA-MORAK MEHGAON-AURAIYA MALANPUR-AURAIYA GWALIOR-SAWAI MADHOPUR RAJGHAT-LALITPUR With SR) BHADRAWATI B/B RAIGARH-PUGALUR SOLAPUR-RAICHUR WARDHA-NIZAMABAD KOLHAPUR-KUDGI KOLHAPUR-CHIKODI PONDA-AMBEWADI XELDEM-AMBEWADI Region ER ER NER NER NER | I 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 | 0 76 40 0 0 0 1775 198 1314 0 0 1 1775 198 1314 0 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 | 0 144 27 59 0 0 WR-NR 312 0 809 1852 0 0 WR-SR NGES Max (MW) 779 1072 52 66 -59 | 0.0 0.0 0.2 0.6 0.0 0.0 34.3 0.0 0.0 0.0 16.9 0.0 0.0 20.9 0.0 0.0 37.8 Min (MW) 763 1045 0 35 | 2.6 1.8 0.4 0.1 0.0 0.0 0.0 281.2 7.3 0.0 1.0 24.0 0.0 0.0 0.0 32.4 Avg (MW) 770 1047 319 -46 -51 | -2.6 -1.8 -0.2 -0.5 -0.0 -0.0 -0.0 -246.9 -7.3 -0.0 -15.9 -24.0 -0.0 -24.0 -0.0 -0.0 -15.9 -24.0 -0.0 -15.9 -24.0 -0.0 -15.9 -24.0 -0.0 -0.1 -1.1 -1.2 -0.9 |

| | ER | BHERAMARA HVDC(BANGLADESH) | -954 | -944 | -948 | -22.8 |
|------------|----|--|------|------|------|-------|
| BANGLADESH | | 132KV-SURAJMANI NAGAR - COMILLA(BANGLADESH)-1 | 64 | 0 | -56 | -1.4 |
| | | 132KV-SURAJMANI NAGAR - COMILLA(BANGLADESH)-2 | 63 | 0 | -56 | -1.3 |