

National Load Despatch Centre राष्ट्रीय भार प्रेषण केंद्र GRID CONTROLLER OF INDIA LIMITED ग्रिड कंट्रोलर ऑफ इंडिया लिमिटेड

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

Ref: POSOCO/NLDC/SO/Daily PSP Report

दिनांक: 07th October 2023

To,

- कार्यकारी निदेशक, पू.क्षे.भा.प्रे.के.,14, गोल्फ क्लब रोड, कोलकाता 700033
 Executive Director, ERLDC, 14 Golf Club Road, Tollygunge, Kolkata, 700033
- 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 06.10.2023.

महोदय/Dear Sir,

आई॰ई॰जी॰सी॰-2010 की धारा स.-5.5.1 के प्रावधान के अनुसार, दिनांक 06-अक्टूबर-2023 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 06th October 2023, is available at the NLDC website.

धन्यवाद,

ग्रिड कंट्रलर ऑफ इंडिया लिमिटेड राष्ट्रीय भार प्रेषण केंद्र, नई दिल्ली



Report for previous day

A. Power Supply Position at All India and Regional level

Date of Reporting: 07-Oct-2023

| | NR | WR | SR | ER | NER | TOTAL |
|--|--------|-------|--------|-------|-------|--------|
| Demand Met during Evening Peak hrs(MW) (at | 62576 | 63178 | 48804 | 24200 | 2946 | 201012 |
| 20:00 hrs; from RLDCs) | 025/0 | 031/8 | 48804 | 24309 | 2940 | 201813 |
| Peak Shortage (MW) | 856 | 357 | 950 | 835 | 0 | 2998 |
| Energy Met (MU) | 1401 | 1430 | 1243 | 525 | 53 | 4651 |
| Hydro Gen (MU) | 197 | 80 | 94 | 90 | 32 | 494 |
| Wind Gen (MU) | 46 | 87 | 57 | - | - | 190 |
| Solar Gen (MU)* | 136.66 | 67.12 | 127.69 | 2.43 | 0.37 | 334 |
| Energy Shortage (MU) | 8.05 | 1.19 | 11.20 | 3.24 | 0.00 | 23.68 |
| Maximum Demand Met During the Day (MW) | 63937 | 65975 | 60444 | 24612 | 3009 | 211251 |
| (From NLDC SCADA) | 03937 | 039/3 | 60444 | 24613 | 3009 | 211251 |
| Time Of Maximum Demand Met | 12:36 | 18:35 | 10:34 | 18:35 | 18:04 | 11:57 |

| 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 | 0.052 | 0.29 | 1.55 | 7.78 | 9.62 | 73.63 | 16.76 |

C. Power Supply Position in States

| | | 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) | Shortage (MU) |
| | Punjab | 10985 | 0 | 223.1 | 97.3 | 0.0 | 171 | 0.00 |
| | Haryana | 9470 | 0 | 197.4 | 132.6 | -0.3 | 137 | 1.47 |
| | Rajasthan | 14133 | 0 | 302.2 | 56.0 | -4.7 | 3 | 0.00 |
| | Delhi | 4925 | 0 | 102.6 | 87.9 | -0.1 | 203 | 0.00 |
| NR | UP | 20908 | 487 | 440.9 | 167.5 | 1.8 | 1669 | 2.95 |
| | Uttarakhand | 2246 | 0 | 44.2 | 28.2 | 0.7 | 155 | 0.65 |
| | HP | 1751 | 0 | 34.8 | 17.6 | 0.9 | 151 | 0.00 |
| | J&K(UT) & Ladakh(UT) | 2389 | 170 | 48.1 | 31.4 | 5.6 | 460 | 2.98 |
| | Chandigarh | 251 | 0 | 5.0 | 5.1 | -0.1 | 81 | 0.00 |
| | Railways_NR ISTS | 159 | 0 | 3.1 | 3.3 | -0.2 | 27 | 0.00 |
| | Chhattisgarh | 4899 | 191 | 109.7 | 50.8 | 0.4 | 408 | 1.19 |
| | Gujarat | 21264 | 0 | 431.0 | 156.2 | -1.6 | 558 | 0.00 |
| | MP | 12472 | 0 | 272.1 | 141.8 | -4.8 | 265 | 0.00 |
| WR | Maharashtra | 24463 | 0 | 540.3 | 212.1 | -3.4 | 683 | 0.00 |
| | Goa | 687 | 0 | 14.0 | 12.3 | 1.2 | 61 | 0.00 |
| | DNHDDPDCL | 1296 | 0 | 30.1 | 29.9 | 0.2 | 76 | 0.00 |
| | AMNSIL | 875 | 0 | 20.0 | 10.2 | -0.5 | 299 | 0.00 |
| | BALCO | 524 | 0 | 12.5 | 12.6 | -0.1 | 9 | 0.00 |
| | Andhra Pradesh | 11621 | 0 | 235.2 | 130.2 | 1.4 | 1043 | 0.00 |
| | Telangana | 14560 | 0 | 284.2 | 144.0 | 0.5 | 1028 | 0.00 |
| \mathbf{SR} | Karnataka | 15012 | 700 | 256.7 | 90.8 | 6.6 | 1277 | 10.90 |
| | Kerala | 4010 | 200 | 82.0 | 56.2 | 2.0 | 579 | 0.30 |
| | Tamil Nadu | 17055 | 0 | 374.5 | 192.7 | -0.2 | 1120 | 0.00 |
| | Puducherry | 450 | 0 | 10.2 | 9.6 | -0.1 | 59 | 0.00 |
| | Bihar | 5827 | 334 | 113.7 | 103.5 | 0.6 | 394 | 1.85 |
| | DVC | 3318 | 0 | 70.8 | -20.2 | 2.1 | 344 | 0.00 |
| | Jharkhand | 1604 | 97 | 31.4 | 22.9 | -2.1 | 167 | 1.38 |
| ER | Odisha | 6028 | 0 | 127.8 | 52.2 | 0.4 | 453 | 0.00 |
| | West Bengal | 8644 | 0 | 180.0 | 67.1 | 0.4 | 736 | 0.00 |
| | Sikkim | 64 | 0 | 0.9 | 1.0 | -0.1 | 8 | 0.00 |
| | Railways_ER ISTS | 22 | 0 | 0.1 | 0.2 | 0.0 | 13 | 0.00 |
| | Arunachal Pradesh | 158 | 0 | 3.0 | 2.7 | -0.2 | 32 | 0.00 |
| | Assam | 1870 | 0 | 32.6 | 24.8 | 0.4 | 176 | 0.00 |
| | Manipur | 200 | 0 | 2.7 | 2.8 | 0.0 | 26 | 0.00 |
| NER | Meghalaya | 312 | 0 | 5.3 | 1.4 | -0.4 | 66 | 0.00 |
| | Mizoram | 119 | 0 | 2.0 | 1.2 | -0.2 | 9 | 0.00 |
| | Nagaland | 152 | 0 | 2.6 | 2.4 | -0.2 | 9 | 0.00 |
| | Tripura | 275 | 0 | 4.8 | 5.0 | -0.1 | 31 | 0.00 |

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

| | Bhutan | Nepal | Bangladesh | Godda -> Bangladesh |
|---------------|--------|-------|------------|---------------------|
| Actual (MU) | 38.7 | 16.2 | -23.9 | -19.1 |
| Day Peak (MW) | 1786.2 | 594.0 | -1062.0 | -1393.0 |

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

| E. Import Export by Regions (in Me) - Import (10) | Export(-ve), OD(|), CD(-) | | | | |
|---|------------------|----------|-------|--------|-------|-------|
| | NR | WR | SR | ER | NER | TOTAL |
| Schedule(MU) | 215.9 | -283.8 | 188.3 | -115.0 | -20.0 | -14.7 |
| Actual(MU) | 208.7 | -315.6 | 224.9 | -105.6 | -16.6 | -4.2 |
| O/D/II/D(MII) | 7.2 | -21 9 | 36.6 | 0.5 | 3.4 | 10.4 |

F. Generation Outage(MW)

| | NR | WR | SR | ER | NER | TOTAL | % Share |
|----------------|------|-------|-------|------|-----|-------|---------|
| Central Sector | 3517 | 10966 | 6288 | 3816 | 505 | 25091 | 50 |
| State Sector | 5021 | 9363 | 6159 | 4120 | 129 | 24791 | 50 |
| Total | 8537 | 20328 | 12447 | 7936 | 634 | 49882 | 100 |

G. Sourcewise generation (Gross) (MU)

| G. Sourcewise generation (Gross) (MO) | | | | | | | |
|---|-------|-------|-------|-------|-------|-----------|---------|
| | NR | WR | SR | ER | NER | All India | % Share |
| Coal | 811 | 1518 | 687 | 591 | 16 | 3624 | 72 |
| Lignite | 29 | 14 | 40 | 0 | 0 | 83 | 2 |
| Hydro | 197 | 80 | 94 | 90 | 32 | 494 | 10 |
| Nuclear | 25 | 53 | 58 | 0 | 0 | 136 | 3 |
| Gas, Naptha & Diesel | 35 | 52 | 5 | 0 | 28 | 120 | 2 |
| RES (Wind, Solar, Biomass & Others) | 188 | 156 | 214 | 4 | 0 | 561 | 11 |
| Total | 1285 | 1872 | 1098 | 685 | 77 | 5018 | 100 |
| Share of RES in total generation (%) | 14.61 | 8.32 | 19.45 | 0.58 | 0.48 | 11.19 | |
| Share of Non-fossil fuel (Hydro,Nuclear and RES) in total generation(%) | 31.89 | 15.41 | 33.35 | 13.71 | 42.77 | 23.75 | |

| H. | All | India | Demand | l Diversity | Factor |
|----|-----|-------|--------|-------------|--------|
| т. | _ | _ | | , , | |

| H. All India Demand Diversity Factor | |
|--------------------------------------|-------|
| Based on Regional Max Demands | 1.031 |
| Based on State Max Demands | 1.065 |

| I. All India Peak | Demand ar | nd shortage | at Solar and l | Non-Solar Hour |
|-------------------|-----------|-------------|----------------|----------------|
| | ì | D 117 | A CR STEEL | |

| | Max Demand Met(MW) | Time | Shortage(MW) |
|--------------|--------------------|-------|--------------|
| Solar hr | 211251 | 11:57 | 900 |
| Non-Solar hr | 202457 | 19:08 | 2998 |

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

**Note: All generation MU figures are gross

***Godda (Jharkhand) -> Bangladesh power exchange is through the radial connection (isolated from Indian Grid)

Solar Hours -> 06:00 to 18:00hrs and rest are Non-Solar Hours

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

INTER-REGIONAL EXCHANGES

Import=(+ve) /Export =(-ve) for NET (MU)
Date of Reporting: 07-Oct-2023

| | | | | | | | Date of Reporting: | 07-Oct-2023 |
|--|--|---|--|---|---|--|---|---|
| Sl No | Voltage Level | Line Details | No. of Circuit | Max Import (MW) | Max Export (MW) | Import (MU) | Export (MU) | NET (MU) |
| _ | Export of ER (V | | | | | | | |
| 2 | HVDC HVDC | ALIPURDUAR-AGRA PUSAULI B/B | 2 | 0 | 752 97 | 0.0 | 16.4 2.4 | -16.4 -2.4 |
| 3 | 765 kV | GAYA-VARANASI | 2 | 236 | 394 | 0.0 | 1.7 | -1.7 |
| 4 | 765 kV | SASARAM-FATEHPUR | 1 | 0 | 318 | 0.0 | 4.3 7.8 | -4.3 7.8 |
| 5 6 | 765 kV 400 kV | GAYA-BALIA PUSAULI-VARANASI | 1 | 0 | 562 78 | 0.0 | 1.2 | -7.8 -1.2 |
| 7 | 400 kV | PUSAULI -ALLAHABAD | 1 | 42 | 96 | 0.0 | 1.1 | -1.1 |
| 9 | 400 kV 400 kV | MUZAFFARPUR-GORAKHPUR PATNA-BALIA | 2 2 | 0 | 736 398 | 0.0 | 11.6 6.4 | -11.6 -6.4 |
| 10 | 400 kV | NAUBATPUR-BALIA | 2 | 0 | 414 | 0.0 | 6.3 | -6.3 |
| 11 12 | 400 kV 400 kV | BIHARSHARIFF-BALIA MOTIHARI-GORAKHPUR | 2 2 | 94 | 233 367 | 0.0 | 1.8 5.4 | -1.8 -5.4 |
| 13 | 400 kV | BIHARSHARIFF-VARANASI | 2 | 156 | 160 | 0.1 | 0.0 | 0.1 |
| 14 | 220 kV | SAHUPURI-KARAMNASA | 1 | 5 | 87 | 0.0 | 1.1 0.0 | -1.1 |
| 15 16 | 132 kV 132 kV | NAGAR UNTARI-RIHAND GARWAH-RIHAND | 1 | 0 30 | 0 | 0.0 | 0.0 | 0.0 |
| 17 | 132 kV | KARMANASA-SAHUPURI | 1 | 0 | 0 | 0.0 | 0.0 | 0.0 |
| 18 | 132 kV | KARMANASA-CHANDAULI | 1 | 0 | 0 ER-NR | 0.0 | 0.0 67.4 | 0.0 |
| Import | /Export of ER (V | With WR) | | | EK-NK | 0.5 | 07.4 | -66.9 |
| 1 | 765 kV | JHARSUGUDA-DHARAMJAIGARH | 4 | 1118 | 0 | 16.7 | 0.0 | 16.7 |
| 3 | 765 kV 765 kV | NEW RANCHI-DHARAMJAIGARH JHARSUGUDA-DURG | 2 2 | 925 | 433 459 | 7.3 | 0.0 5.6 | 7.3 -5.6 |
| 4 | 400 kV | JHARSUGUDA-RAIGARH | 4 | 65 | 306 | 0.0 | 2.8 | -2.8 |
| 5 | 400 kV | RANCHI-SIPAT | 2 | 188 | 149 | 0.7 | 0.0 | 0.7 |
| 7 | 220 kV 220 kV | BUDHIPADAR-RAIGARH BUDHIPADAR-KORBA | 1 2 | 0 154 | 146 0 | 0.0 2.2 | 1.9 0.0 | -1.9 2.2 |
| | 220 R V | BUDINI ADAK-KOKBA | | 104 | ER-WR | 26.9 | 10.3 | 16.5 |
| Import | Export of ER (V | | | | • | | • | |
| 1 | HVDC | JEYPORE-GAZUWAKA B/B | 2 | 0 | 766 | 0.0 | 13.5 | -13.5 |
| 3 | HVDC 765 kV | TALCHER-KOLAR BIPOLE ANGUL-SRIKAKULAM | 2 2 | 0 | 1991 2640 | 0.0 | 44.4 48.8 | -44.4 -48.8 |
| 4 | 400 kV | TALCHER-I/C | 2 | 157 | 185 | 0.2 | 0.0 | 0.2 |
| 5 | 220 kV | BALIMELA-UPPER-SILERRU | 1 | 0 | 0 ED CD | 0.0 | 0.0 | 0.0 |
| Import | Export of ER (V | With NER) | | | ER-SR | 0.0 | 106.6 | -106.6 |
| 1 | 400 kV | BINAGURI-BONGAIGAON | 2 | 184 | 127 | 1.1 | 0.0 | 1.1 |
| 2 | 400 kV | ALIPURDUAR-BONGAIGAON | 2 | 391 | 99 | 4.1 | 0.0 | 4.1 |
| 3 | 220 kV | ALIPURDUAR-SALAKATI | 2 | 70 | 31 ER-NER | 0.6 5.8 | 0.0 | 0.6 5.8 |
| Import | Export of NER | (With NR) | | | EK-NEK | 5.8 | 0.0 | 5.8 |
| 1 | | BISWANATH CHARIALI-AGRA | 2 | 0 | 704 | 0.0 | 12.3 | -12.3 |
| | | | | - | NER-NR | 0.0 | 12.3 | -12.3 |
| _ | Export of WR (| | | • | | | | |
| 2 | HVDC HVDC | CHAMPA-KURUKSHETRA VINDHYACHAL B/B | 2 | 0 45 | 2506 0 | 0.0 1.2 | 56.8 0.0 | -56.8 1.2 |
| 3 | HVDC | MUNDRA-MOHINDERGARH | 2 | 0 | 1451 | 0.0 | 32.2 | -32.2 |
| 4 | 765 kV | GWALIOR-AGRA | 2 | 389 | 1554 | 0.2 | 18.2 | -18.0 |
| 6 | 765 kV 765 kV | GWALIOR-PHAGI JABALPUR-ORAI | 2 2 | 732 108 | 937 779 | 3.7 0.0 | 9.5 12.4 | -5.9 -12.4 |
| 7 | 765 kV | GWALIOR-ORAI | 1 | 510 | 0 | 8.2 | 0.0 | 8.2 |
| 9 | 765 kV | SATNA-ORAI | 1 | 0 | 897 | 0.0 | 17.4 0.0 | -17.4 |
| 10 | 765 kV 765 kV | BANASKANTHA-CHITORGARH VINDHYACHAL-VARANASI | 2 2 | 1061 0 | 224 2304 | 9.6 | 38.7 | 9.6 -38.7 |
| | 400 kV | ZERDA-KANKROLI | 1 | 200 | | | | |
| 11 | | | | 200 | 20 | 2.1 | 0.0 | 2.1 |
| 12 | 400 kV | ZERDA -BHINMAL | 1 | 686 | 44 | 2.2 | 0.0 | 2.2 |
| | | | 1 1 2 | | | | | |
| 12 13 14 15 | 400 kV 400 kV 400 kV 220 kV | ZERDA -BHINMAL VINDHYACHAL -RIHAND RAPP-SHUJALPUR BHANPURA-RANPUR | 1 1 | 686 960 514 0 | 44 0 337 99 | 2.2 22.2 2.3 0.0 | 0.0 0.0 0.0 1.8 | 2.2 22.2 2.3 -1.8 |
| 12 13 14 15 16 | 400 kV 400 kV 400 kV 220 kV 220 kV | ZERDA -BHINMAL VINDHYACHAL -RIHAND RAPP-SHUJALPUR BHANPURA-RANPUR BHANPURA-MORAK | 1 1 | 686 960 514 0 | 44 0 337 99 30 | 2.2 22.2 2.3 0.0 0.0 | 0.0 0.0 0.0 1.8 2.5 | 2.2 22.2 2.3 -1.8 -2.5 |
| 12 13 14 15 16 17 18 | 400 kV 400 kV 400 kV 220 kV 220 kV 220 kV 220 kV | ZERDA -BHINMAL VINDHYACHAL -RIHAND RAPP-SHUJALPUR BHANPURA-RANPUR BHANPURA-MORAK MEHGAON-AURAIYA MALANPUR-AURAIYA | 1 1 2 1 1 | 686 960 514 0 0 157 | 44 0 337 99 30 0 | 2.2 22.2 2.3 0.0 0.0 2.5 1.8 | 0.0 0.0 0.0 1.8 2.5 0.0 0.0 | 2.2 22.2 2.3 -1.8 -2.5 2.5 1.8 |
| 12 13 14 15 16 17 18 19 | 400 kV 400 kV 400 kV 220 kV 220 kV 220 kV 220 kV 132 kV | ZERDA -BHINMAL VINDHYACHAL -RIHAND RAPP-SHUJALPUR BHANPURA-RANPUR BHANPURA-MORAK MEHGAON-AURAIYA MALANPUR-AURAIYA GWALIOR-SAWAI MADHOPUR | 1 1 2 1 1 1 1 1 | 686 960 514 0 0 157 122 0 | 44 0 337 99 30 0 | 2.2 22.2 2.3 0.0 0.0 2.5 1.8 0.0 | 0.0 0.0 1.8 2.5 0.0 0.0 | 2.2 22.2 2.3 -1.8 -2.5 2.5 1.8 0.0 |
| 12 13 14 15 16 17 18 | 400 kV 400 kV 400 kV 220 kV 220 kV 220 kV 220 kV | ZERDA -BHINMAL VINDHYACHAL -RIHAND RAPP-SHUJALPUR BHANPURA-RANPUR BHANPURA-MORAK MEHGAON-AURAIYA MALANPUR-AURAIYA | 1 1 2 1 1 1 1 | 686 960 514 0 0 157 | 44 0 337 99 30 0 0 | 2.2 22.2 2.3 0.0 0.0 2.5 1.8 0.0 | 0.0 0.0 0.0 1.8 2.5 0.0 0.0 | 2.2 22.2 2.3 -1.8 -2.5 2.5 1.8 0.0 |
| 12 13 14 15 16 17 18 19 20 | 400 kV 400 kV 400 kV 220 kV 220 kV 220 kV 220 kV 132 kV | ZERDA -BHINMAL VINDHYACHAL -RIHAND RAPP-SHUJALPUR BHANPURA-RANPUR BHANPURA-MORAK MEHGAON-AURAIYA MALANPUR-AURAIYA GWALIOR-SAWAI MADHOPUR RAJGHAT-LALITPUR | 1 1 2 1 1 1 1 1 | 686 960 514 0 0 157 122 0 | 44 0 337 99 30 0 | 2.2 22.2 2.3 0.0 0.0 2.5 1.8 0.0 | 0.0 0.0 1.8 2.5 0.0 0.0 0.0 | 2.2 22.2 2.3 -1.8 -2.5 2.5 1.8 0.0 |
| 12 13 14 15 16 17 18 19 20 Import/ | 400 kV 400 kV 400 kV 220 kV 220 kV 220 kV 132 kV 132 kV 132 kV HVDC | ZERDA -BHINMAL VINDHYACHAL -RIHAND RAPP-SHUJALPUR BHANPURA-RANPUR BHANPURA-MORAK MEHGAON-AURAIYA MALANPUR-AURAIYA GWALIOR-SAWAI MADHOPUR RAJGHAT-LALITPUR With SR) BHADRAWATI B/B | 1 1 2 1 1 1 1 1 1 2 | 686 960 514 0 0 157 122 0 0 | 44 0 337 99 30 0 0 0 WR-NR | 2.2 22.2 2.3 0.0 0.0 2.5 1.8 0.0 0.0 55.9 | 0.0 0.0 1.8 2.5 0.0 0.0 0.0 0.0 189.7 | 2.2 22.2 2.3 -1.8 -2.5 2.5 1.8 0.0 0.0 |
| 12 13 14 15 16 17 18 19 20 Import | 400 kV 400 kV 400 kV 220 kV 220 kV 220 kV 132 kV 132 kV /Export of WR (| ZERDA -BHINMAL VINDHYACHAL -RIHAND RAPP-SHUJALPUR BHANPURA-RANPUR BHANPURA-MORAK MEHGAON-AURAIYA MALANPUR-AURAIYA GWALIOR-SAWAI MADHOPUR RAJGHAT-LALITPUR With SR) BHADRAWATI B/B RAIGARH-PUGALUR | 1 1 2 1 1 1 1 1 1 2 | 686 960 514 0 0 157 122 0 0 | 44 0 337 99 30 0 0 0 WR-NR | 2.2 22.2 2.3 0.0 0.0 2.5 1.8 0.0 0.0 55.9 | 0.0 0.0 1.8 2.5 0.0 0.0 0.0 0.0 0.0 189.7 | 2.2 22.2 2.3 -1.8 -2.5 2.5 1.8 0.0 0.0 -133.8 |
| 12 13 14 15 16 17 18 19 20 Import/ 1 2 3 | 400 kV 400 kV 400 kV 220 kV 220 kV 220 kV 132 kV 132 kV 136 kV Export of WR (HVDC HVDC HVDC HVDC HVDC HVDC | ZERDA -BHINMAL VINDHYACHAL -RIHAND RAPP-SHUJALPUR BHANPURA-RANPUR BHANPURA-MORAK MEHGAON-AURAIYA MALANPUR-AURAIYA GWALIOR-SAWAI MADHOPUR RAJGHAT-LALITPUR With SR) BHADRAWATI B/B RAIGARH-PUGALUR SOLAPUR-RAICHUR WARDHA-NIZAMABAD | 1 1 2 1 1 1 1 1 1 2 | 686 960 514 0 0 157 122 0 0 0 | 44 0 337 99 30 0 0 0 WR-NR | 2.2 22.2 2.3 0.0 0.0 0.0 2.5 1.8 0.0 0.0 55.9 | 0.0 0.0 0.0 1.8 2.5 0.0 0.0 0.0 0.0 189.7 | 2.2 22.2 23 -1.8 -2.5 2.5 1.8 0.0 0.0 -133.8 -24.0 -100.0 -16.0 -45.4 |
| 12 13 14 15 16 17 18 19 20 Import/ 1 2 3 4 | 400 kV 400 kV 400 kV 220 kV 220 kV 220 kV 132 kV 132 kV 132 kV 16 KV 17 KV 18 KV 19 KV 19 KV 19 KV 10 KV | ZERDA -BHINMAL VINDHYACHAL-RIHAND RAPP-SHUJALPUR BHANPURA-RANPUR BHANPURA-RANPUR BHANPURA-WANIYA MALANPUR-AURAIYA MALANPUR-AURAIYA MALANPUR-AURAIYA WITH SIN WANIYA WITH SIN WANIYA WITH SIN WANIYA WITH SIN WANIYA WANIYAMADHOPUR RAJGHAT-LALITPUR WITH SIN WANIYAMADHOPUR RAJGAHA-LALITPUR WANIYAMAYI B/B RAJGARH-PUGALUR SOLAPUR-RAICHUR WARDHA-NIZAMABAD KOLHAPUR-KUDGI | 1 1 2 2 1 1 1 1 1 1 2 2 1 2 2 2 2 2 2 2 | 686 960 514 0 0 157 122 0 0 0 | 44 0 337 99 30 0 0 0 WR-NR 1008 6031 1677 2824 0 | 2.2 22.2 2.3 0.0 0.0 0.0 2.5 1.8 0.0 0.0 55.9 | 0.0 0.0 1.8 2.5 0.0 0.0 0.0 0.0 0.0 189.7 | 2.2 22.2 2.3 -1.8 -2.5 2.5 1.8 0.0 0.0 -133.8 -24.0 -100.0 -16.0 -45.4 18.8 |
| 12 13 14 15 16 17 18 19 20 Import/ 1 2 3 | 400 kV 400 kV 400 kV 220 kV 220 kV 220 kV 132 kV 132 kV 136 kV Export of WR (HVDC HVDC HVDC HVDC HVDC HVDC | ZERDA -BHINMAL VINDHYACHAL -RIHAND RAPP-SHUJALPUR BHANPURA-RANPUR BHANPURA-MORAK MEHGAON-AURAIYA MALANPUR-AURAIYA GWALIOR-SAWAI MADHOPUR RAJGHAT-LALITPUR With SR) BHADRAWATI B/B RAIGARH-PUGALUR SOLAPUR-RAICHUR WARDHA-NIZAMABAD | 1 1 2 1 1 1 1 1 1 2 | 686 960 514 0 0 157 122 0 0 0 | 44 0 337 99 30 0 0 0 WR-NR | 2.2 22.2 2.3 0.0 0.0 0.0 2.5 1.8 0.0 0.0 55.9 | 0.0 0.0 0.0 1.8 2.5 0.0 0.0 0.0 0.0 189.7 | 2.2 22.2 2.3 -1.8 -2.5 2.5 1.8 0.0 0.0 -133.8 -24.0 -100.0 -16.0 -45.4 |
| 12 13 14 15 16 17 18 19 20 Import 1 2 3 4 5 6 | 400 kV 400 kV 400 kV 220 kV 220 kV 220 kV 132 kV 132 kV 140 kV 155 kV 165 kV 165 kV 160 kV 160 kV 160 kV 160 kV 160 kV 160 kV | ZERDA -BHINMAL VINDHYACHAL -RIHAND RAPP-SHUJALPUR BHANPURA-RANPUR BHANPURA-MORAK MEHGAON-AURAIYA MALANPUR-AURAIYA MALANPUR-AURAIYA WHINDHAMARA MADHOPUR RAJGHAT-LALITPUR WITH SR) BHADRAWATI B/B RAIGARH-PUGALUR SOLAPUR-RAICHUR WARDHA-NIZAMABAD KOLHAPUR-KUDGI KOLHAPUR-CHIKODI | 1 1 2 2 1 1 1 1 1 1 1 2 2 1 2 2 2 2 2 2 | 686 960 514 0 0 157 122 0 0 0 0 21 0 1056 | 44 0 337 99 30 0 0 0 WR-NR 1008 6031 1677 2824 0 0 0 115 | 2.2 22.2 23 0.0 0.0 0.0 2.5 1.8 0.0 0.0 55.9 | 0.0 0.0 0.0 1.8 2.5 0.0 0.0 0.0 0.0 189.7 | 2.2 22.2 231.8 -2.5 2.5 1.8 0.0 0.0 -133.8 -24.0 -100.0 -16.0 -45.4 18.8 0.0 0.0 2.3 |
| 12 13 14 15 16 17 18 19 20 Import 1 2 3 4 5 6 | 400 kV 400 kV 400 kV 220 kV 220 kV 220 kV 132 kV 132 kV 135 kV /Export of WR (HVDC HVDC HVDC HVDC HVDC SkV 400 kV 220 kV | ZERDA -BHINMAL VINDHYACHAL -RIHAND RAPP-SHUJALPUR BHANPURA-ROPAK 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 2 2 1 1 1 1 1 1 1 2 2 1 2 2 2 2 2 2 | 686 960 514 0 0 157 122 0 0 0 0 21 0 1056 0 | 44 0 337 99 30 0 0 0 WR-NR 1008 6031 1677 2824 0 0 0 | 2.2 22.2 2.3 0.0 0.0 0.0 2.5 1.8 0.0 0.0 55.9 | 0.0 0.0 0.0 1.8 2.5 0.0 0.0 0.0 189.7 24.0 100.0 16.0 45.4 0.0 0.0 | 2.2 22.2 23.3 -1.8 -2.5 2.5 1.8 0.0 0.0 -133.8 -24.0 -100.0 -16.0 -45.4 18.8 0.0 0.0 |
| 12 13 14 15 16 17 18 19 20 Import 1 2 3 4 5 6 | 400 kV 400 kV 400 kV 220 kV 220 kV 220 kV 132 kV 132 kV 135 kV /Export of WR (HVDC HVDC HVDC HVDC HVDC SkV 400 kV 220 kV | ZERDA -BHINMAL VINDHYACHAL -RIHAND RAPP-SHUJALPUR BHANPURA-RANPUR 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 | 1 1 2 2 1 1 1 1 1 1 1 2 2 1 2 2 2 2 2 2 | 686 960 514 0 0 157 122 0 0 0 0 21 0 1056 0 0 | 44 0 337 99 30 0 0 0 WR-NR 1008 6031 1677 2824 0 0 0 115 | 2.2 22.2 23 0.0 0.0 0.0 2.5 1.8 0.0 0.0 55.9 | 0.0 0.0 0.0 1.8 2.5 0.0 0.0 0.0 189.7 24.0 100.0 16.0 45.4 0.0 0.0 0.0 | 2.2 22.2 2.3 -1.8 -2.5 2.5 1.8 0.0 0.0 -133.8 -24.0 -100.0 -16.0 -45.4 18.8 0.0 0.0 2.3 -164.4 +ve)/Export(-ve) |
| 12 13 14 15 16 17 18 19 20 Import 1 2 3 4 5 6 | 400 kV 400 kV 400 kV 220 kV 220 kV 220 kV 132 kV 132 kV 135 kV /Export of WR (HVDC HVDC HVDC HVDC HVDC SkV 400 kV 220 kV | ZERDA -BHINMAL VINDHYACHAL -RIHAND RAPP-SHUJALPUR BHANPURA-RANPUR 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 | 1 1 2 2 1 1 1 2 2 2 2 2 2 2 2 2 1 1 1 1 | 686 960 514 0 0 157 122 0 0 0 0 21 0 1056 0 0 | 44 0 337 99 30 0 0 0 WR-NR 1008 6031 1677 2824 0 0 0 115 | 2.2 22.2 23 0.0 0.0 0.0 2.5 1.8 0.0 0.0 55.9 | 0.0 0.0 0.0 1.8 2.5 0.0 0.0 0.0 189.7 24.0 100.0 16.0 45.4 0.0 0.0 0.0 | 2.2 22.2 2.3 -1.8 -2.5 2.5 1.8 0.0 0.0 -133.8 -24.0 -100.0 -16.0 -45.4 18.8 0.0 0.0 2.3 -164.4 +ve)/Export(-ve) Energy Exchange |
| 12 13 14 15 16 17 18 19 20 Import 1 2 3 4 5 6 | 400 kV 400 kV 400 kV 220 kV 220 kV 220 kV 132 kV 132 kV 135 kV /Export of WR (HVDC HVDC HVDC HVDC HVDC HVDC 400 kV 220 kV 220 kV | ZERDA -BHINMAL VINDHYACHAL-RIHAND RAPP-SHUJALPUR BHANPURA-RANPUR BHANPURA-RANPUR BHANPURA-RANPUR BHANPURA-WARIYA MALANPUR-AURAIYA MALANPUR-AURAIYA MALANPUR-AURAIYA With SR) BHADRAWATI B/B RAIGARH-PUGALUR SOLAPUR-RAICHUR WARDHA-NIZAMABAD KOLHAPUR-KUDGI KOLHAPUR-KUDGI KOLHAPUR-CHIKODI PONDA-AMBEWADI IN Region | 1 1 2 1 1 1 1 1 1 1 1 1 2 | 686 960 514 0 0 157 122 0 0 0 0 0 1556 0 0 CHANGES Name | 44 0 337 99 30 0 0 0 WR-NR 1008 6031 1677 2824 0 0 0 WR-SR | 2.2 22.2 2.3 0.0 0.0 0.0 2.5 1.8 0.0 0.0 55.9 0.0 0.0 0.0 0.0 0.0 0.0 2.3 21.0 | 0.0 0.0 0.0 1.8 2.5 0.0 0.0 0.0 0.0 1.8 2.7 0.0 0.0 0.0 189.7 | 2.2 22.2 2.3 -1.8 -2.5 1.8 0.0 0.0 -133.8 -24.0 -100.0 -16.0 -45.4 18.8 0.0 0.0 2.3 -164.4 +ve)/Export(-ve) Energy Exchange (MU) |
| 12 13 14 15 16 17 18 19 20 Import 1 2 3 4 5 6 | 400 kV 400 kV 400 kV 220 kV 220 kV 220 kV 132 kV 132 kV 135 kV /Export of WR (HVDC HVDC HVDC HVDC HVDC HVDC 400 kV 220 kV 220 kV | ZERDA -BHINMAL VINDHYACHAL -RIHAND RAPP-SHUJALPUR BHANPURA-RANPUR BHANPURA-MORAK MEHGAON-AURAIYA MALANPUR-AURAIYA MALANPUR-AURAIYA MALANPUR-AURAIYA WITH SR BHADRAWATI B/B RAIGARH-PUGALUR SOLAPUR-RAICHUR WARDHA-NIZAMABAD KOLHAPUR-KUDGI KOLHAPUR-CHIKODI PONDA-AMBEWADI XELDEM-AMBEWADI | 1 1 2 1 1 1 1 1 1 1 1 1 1 2 2 2 2 2 2 2 | 686 960 514 0 0 157 122 0 0 0 0 0 1556 0 0 CHANGES Name | 44 0 337 99 30 0 0 0 WR-NR 1008 6031 1677 2824 0 0 0 WR-SR | 2.2 22.2 2.3 0.0 0.0 0.0 2.5 1.8 0.0 0.0 55.9 0.0 0.0 0.0 0.0 0.0 0.0 0.0 2.3 21.0 | 0.0 0.0 0.0 1.8 2.5 0.0 0.0 0.0 0.0 189.7 24.0 100.0 16.0 45.4 0.0 0.0 0.0 185.4 Import(| 2.2 22.2 2.3 -1.8 -2.5 2.5 1.8 0.0 0.0 -133.8 -24.0 -100.0 -16.0 -45.4 18.8 0.0 0.0 2.3 -164.4 +ve)/Export(-ve) Energy Exchange |
| 12 13 14 15 16 17 18 19 20 Import 1 2 3 4 5 6 | 400 kV 400 kV 400 kV 220 kV 220 kV 220 kV 132 kV 132 kV 135 kV /Export of WR (HVDC HVDC HVDC HVDC HVDC HVDC 400 kV 220 kV 220 kV | ZERDA -BHINMAL VINDHYACHAL-RIHAND RAPP-SHUJALPUR BHANPURA-RANPUR BHANPURA-RANPUR BHANPURA-RANPUR BHANPURA-WARIYA MALANPUR-AURAIYA MALANPUR-AURAIYA MALANPUR-AURAIYA With SR) BHADRAWATI B/B RAIGARH-PUGALUR SOLAPUR-RAICHUR WARDHA-NIZAMABAD KOLHAPUR-KUDGI KOLHAPUR-KUDGI KOLHAPUR-CHIKODI PONDA-AMBEWADI IN Region | 1 1 2 1 1 1 1 1 1 1 1 1 2 | 686 960 514 0 0 157 122 0 0 0 21 0 1056 0 0 CHANGES Name ALIPURDUAR 1,2&3 i.e. f (from MANGDECHU | 44 0 337 99 30 0 0 0 WR-NR 1008 6031 1677 2824 0 0 0 WR-SR | 2.2 22.2 2.3 0.0 0.0 0.0 2.5 1.8 0.0 0.0 55.9 0.0 0.0 0.0 0.0 0.0 0.0 2.3 21.0 | 0.0 0.0 0.0 1.8 2.5 0.0 0.0 0.0 0.0 1.8 2.7 0.0 0.0 0.0 189.7 | 2.2 22.2 2.3 -1.8 -2.5 1.8 0.0 0.0 -133.8 -24.0 -100.0 -16.0 -45.4 18.8 0.0 0.0 2.3 -164.4 +ve)/Export(-ve) Energy Exchange (MU) |
| 12 13 14 15 16 17 18 19 20 Import 1 2 3 4 5 6 | 400 kV 400 kV 400 kV 220 kV 220 kV 220 kV 132 kV 132 kV 135 kV /Export of WR (HVDC HVDC HVDC HVDC HVDC HVDC 400 kV 220 kV 220 kV | ZERDA -BHINMAL VINDHYACHAL-RIHAND RAPP-SHUJALPUR BHANPURA-RANPUR BHANPURA-RANPUR BHANPURA-RANPUR BHANPURA-WARIYA MALANPUR-AURAIYA MALANPUR-AURAIYA MALANPUR-AURAIYA With SR) BHADRAWATI B/B RAIGARH-PUGALUR SOLAPUR-RAICHUR WARDHA-NIZAMABAD KOLHAPUR-KUDGI KOLHAPUR-KUDGI KOLHAPUR-CHIKODI PONDA-AMBEWADI IN Region | 1 1 2 1 1 1 1 1 1 1 1 1 1 1 1 1 2 2 2 2 | 686 960 514 0 0 157 122 0 0 0 0 121 0 0 1056 0 0 1056 0 0 CHANGES Name ALIPURDUAR 1,2&3 i.e. Γ (from MANGDECHU | 44 0 337 99 30 0 0 0 WR-NR 1008 6031 1677 2824 0 0 0 WR-SR | 2.2 22.2 2.3 0.0 0.0 0.0 2.5 1.8 0.0 0.0 55.9 0.0 0.0 0.0 0.0 0.0 0.0 2.3 21.0 | 0.0 0.0 0.0 1.8 2.5 0.0 0.0 0.0 0.0 1.8 2.7 0.0 0.0 0.0 189.7 | 2.2 22.2 2.3 -1.8 -2.5 1.8 0.0 0.0 -133.8 -24.0 -100.0 -16.0 -45.4 18.8 0.0 0.0 2.3 -164.4 +ve)/Export(-ve) Energy Exchange (MU) |
| 12 13 14 15 16 17 18 19 20 Import 1 2 3 4 5 6 | 400 kV 400 kV 400 kV 220 kV 220 kV 220 kV 132 kV 132 kV 135 kV /Export of WR (HVDC HVDC HVDC HVDC HVDC HVDC 400 kV 220 kV 220 kV | ZERDA -BHINMAL VINDHYACHAL -RIHAND RAPP-SHUJALPUR BHANPURA-RANPUR 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 IN Region ER | 1 1 2 1 1 1 1 1 1 1 1 1 1 1 1 1 2 | 686 960 514 0 0 157 122 0 0 0 21 0 1056 0 0 1056 0 1056 0 1056 1056 0 11,2,4 (& 400kV I) i.e. BINAGURI IEP 6°170MW) | 44 0 337 99 30 0 0 0 WR-NR 1008 6031 1677 2824 0 0 0 WR-SR | 2.2 22.2 2.3 0.0 0.0 0.0 2.5 1.8 0.0 0.0 55.9 0.0 0.0 0.0 0.0 0.0 0.0 2.3 21.0 Min (MW) | 0.0 0.0 0.0 1.8 2.5 0.0 0.0 0.0 0.0 0.0 189.7 24.0 100.0 16.0 45.4 0.0 0.0 0.0 185.4 Import(Avg (MW) | 2.2 22.2 23.3 -1.8 -2.5 2.5 1.8 0.0 0.0 -133.8 -24.0 -100.0 -16.0 -45.4 18.8 0.0 0.0 2.3 -164.4 +ve)/Export(-ve) Energy Exchange (MU) 11.71 |
| 12 13 14 14 15 16 17 18 19 20 Import 1 2 3 4 5 6 7 | 400 kV 400 kV 400 kV 220 kV 220 kV 220 kV 132 kV 132 kV 135 kV /Export of WR (HVDC HVDC HVDC HVDC HVDC HVDC 400 kV 220 kV 220 kV | ZERDA -BHINMAL VINDHYACHAL -RIHAND RAPP-SHUJALPUR BHANPURA-RANPUR 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 IN Region ER | 1 1 2 1 1 1 1 1 1 1 1 1 1 1 1 1 2 2 2 2 | 686 960 514 0 0 157 122 0 0 0 122 0 0 1056 0 1056 0 0 1056 0 1056 0 1056 1056 | 44 0 337 99 30 0 0 0 WR-NR 1008 6031 1677 2824 0 0 0 WR-SR | 2.2 22.2 2.3 0.0 0.0 0.0 2.5 1.8 0.0 0.0 55.9 0.0 0.0 0.0 0.0 0.0 0.0 2.3 21.0 Min (MW) | 0.0 0.0 0.0 1.8 2.5 0.0 0.0 0.0 0.0 0.0 189.7 24.0 100.0 16.0 45.4 0.0 0.0 0.0 185.4 Import(Avg (MW) | 2.2 22.2 23.3 -1.8 -2.5 2.5 1.8 0.0 0.0 -133.8 -24.0 -100.0 -16.0 -45.4 118.8 0.0 0.0 2.3 -164.4 +ve)/Export(-ve) Energy Exchange (MU) 11.71 |
| 12 13 14 14 15 16 17 18 19 20 Import 1 2 3 4 5 6 7 7 | 400 kV 400 kV 400 kV 220 kV 220 kV 220 kV 132 kV 132 kV 16 WPDC 1765 kV 1765 kV 17 | ZERDA -BHINMAL VINDHYACHAL -RIHAND RAPP-SHUJALPUR BHANPURA-RANPUR 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 IN Region ER | 1 1 2 1 1 1 1 1 1 1 1 1 1 1 1 1 2 | 686 960 514 0 0 157 122 0 0 0 0 0 121 0 0 1056 0 0 1056 0 0 1056 0 1056 0 1156 | 44 0 337 99 30 0 0 0 WR-NR 1008 6031 1677 2824 0 0 0 115 WR-SR | 2.2 22.2 2.3 0.0 0.0 0.0 2.5 1.8 0.0 0.0 55.9 0.0 0.0 0.0 0.0 0.0 0.0 0.0 2.3 21.0 Min (MW) | 0.0 0.0 0.0 1.8 2.5 0.0 0.0 0.0 0.0 0.0 189.7 24.0 100.0 16.0 45.4 0.0 0.0 0.0 185.4 Import(Avg (MW) 488 | 2.2 22.2 23.3 -1.8 -2.5 2.5 1.8 0.0 0.0 -133.8 -24.0 -100.0 -16.0 -45.4 118.8 0.0 0.0 2.3 -164.4 +ve)/Export(-ve) Energy Exchange (MU) 11.71 |
| 12 13 14 14 15 16 17 18 19 20 Import 1 2 3 4 5 6 7 | 400 kV 400 kV 400 kV 220 kV 220 kV 220 kV 132 kV 132 kV 16 WPDC 1765 kV 1765 kV 17 | ZERDA -BHINMAL VINDHYACHAL -RIHAND RAPP-SHUJALPUR BHANPURA-RANPUR BHANPURA-MORAK MEHGAON-AURAIYA MALANPUR-AURAIYA MALANPUR-AURAIYA GWALIOR-SAWAI MADHOPUR RAJGHAT-LALITPUR With SR) BHADBAWATI B/B RAIGARH-PUGALUR SOLAPUR-RAICHUR WARDHA-NIZAMABAD KOLHAPUR-KUDGI KOLHAPUR-CHIKODI PONDA-AMBEWADI XELDEM-AMBEWADI IN Region ER ER | 1 1 2 1 1 1 1 1 1 1 1 1 1 1 1 1 1 2 | 686 960 514 0 0 157 122 0 0 0 0 122 0 0 21 0 1056 0 0 0 CHANGES Name ALIPURDUAR 1,2&3 i.e. f (from MANGECHU 11,2,4 & 400kV 1) i.e. BINAGURI EP 6*170MW) RA 1&2 (& 220kV i.e. BIRPARA RECEIPT 34MW) | 44 0 3337 99 30 0 0 0 WR-NR 1008 6031 1677 2824 0 0 0 115 WR-SR | 2.2 22.2 2.3 0.0 0.0 0.0 2.5 1.8 0.0 0.0 55.9 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 | 0.0 0.0 0.0 1.8 2.5 0.0 0.0 0.0 0.0 0.0 189.7 24.0 100.0 16.0 45.4 0.0 0.0 0.0 185.4 Import(Avg (MW) 488 | 2.2 22.2 23.3 -1.8 -2.5 1.8 0.0 0.0 -133.8 -24.0 -100.0 -16.0 -45.4 118.8 0.0 0.0 2.3 -164.4 +ve)/Export(-ve) Energy Exchange (MU) 11.71 23.42 |
| 12 13 14 14 15 16 17 18 19 20 Import 1 2 3 4 5 6 7 | 400 kV 400 kV 400 kV 220 kV 220 kV 220 kV 132 kV 132 kV 16 WPDC 1765 kV 1765 kV 17 | ZERDA -BHINMAL VINDHYACHAL -RIHAND RAPP-SHUJALPUR BHANPURA-RANPUR 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 IN Region ER | 1 1 2 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 2 2 2 2 2 2 2 2 2 2 2 1 1 1 1 TERNATIONAL EX Line 400kV MANGDECHHU- ALIPURDUAR RECEIPH HEP 4*180M-W) 400kV TALBASE - BINAGUR RECEIPT (from TALA H RECEIPT (from TALA H MALBASE - BINAGUR MALBASE - BIRAGUR MALBASE - BIRAGUR MALBASE - BIRAGUR | 686 960 514 0 0 157 122 0 0 0 0 122 0 0 21 0 1056 0 0 0 CHANGES Name ALIPURDUAR 1,2&3 i.e. f (from MANGECHU 11,2,4 & 400kV 1) i.e. BINAGURI EP 6*170MW) RA 1&2 (& 220kV i.e. BIRPARA RECEIPT 34MW) | 44 0 337 99 30 0 0 0 WR-NR 1008 6031 1677 2824 0 0 0 115 WR-SR | 2.2 22.2 2.3 0.0 0.0 0.0 2.5 1.8 0.0 0.0 55.9 0.0 0.0 0.0 0.0 0.0 0.0 0.0 2.3 21.0 Min (MW) | 0.0 0.0 0.0 1.8 2.5 0.0 0.0 0.0 0.0 0.0 189.7 24.0 100.0 16.0 45.4 0.0 0.0 0.0 185.4 Import(Avg (MW) 488 | 2.2 22.2 23.3 -1.8 -2.5 2.5 1.8 0.0 0.0 -133.8 -24.0 -100.0 -16.0 -45.4 118.8 0.0 0.0 2.3 -164.4 +ve)/Export(-ve) Energy Exchange (MU) 11.71 |
| 12 13 14 14 15 16 17 18 19 20 Import 1 2 3 4 5 6 7 7 | 400 kV 400 kV 400 kV 220 kV 220 kV 220 kV 132 kV 132 kV 16 WPDC 1765 kV 1765 kV 17 | ZERDA -BHINMAL VINDHYACHAL -RIHAND RAPP-SHUJALPUR BHANPURA-RANPUR BHANPURA-MORAK MEHGAON-AURAIYA MALANPUR-AURAIYA MALANPUR-AURAIYA MALANPUR-AURAIYA WITH SR BHANDRAWATI BB RAIGARH-PUGALUR SOLAPUR-RAICHUR WARDHA-NIZAMABAD KOLHAPUR-KUDGI KOLHAPUR-KUDGI KOLHAPUR-CHIKODI PONDA-AMBEWADI XELDEM-AMBEWADI IN Region ER ER ER | 1 1 2 1 1 1 1 1 1 1 1 1 1 1 1 1 1 2 | 686 960 514 0 0 157 122 0 0 0 0 157 122 0 0 0 0 21 0 1056 0 0 0 CHANGES Name ALIPURDUAR 1,2&3 i.e. f (from MANGDECHU 11,2,4 & 400kV I 1,2,4 & 400kV I 1,3 & 400kV I 1,4 & 400kV I 1,5 & 5 & 6 & 7 & 7 & 7 & 7 & 7 & 7 & 7 & 7 & 7 | 44 0 3337 99 30 0 0 0 WR-NR 1008 6031 1677 2824 0 0 0 115 WR-SR Max (MW) 579 1032 | 2.2 22.2 2.3 0.0 0.0 0.0 2.5 1.8 0.0 0.0 55.9 0.0 0.0 0.0 0.0 0.0 0.0 0.0 2.3 21.0 Min (MW) 375 | 0.0 0.0 0.0 1.8 2.5 0.0 0.0 0.0 0.0 0.0 189.7 24.0 100.0 16.0 45.4 0.0 0.0 0.0 185.4 Import(Avg (MW) 488 | 2.2 22.2 23.3 -1.8 -2.5 -1.8 0.0 0.0 -133.8 -24.0 -100.0 -16.0 -45.4 18.8 0.0 0.0 2.3 -164.4 +ve)/Export(-ve) Energy Exchange (MU) 11.71 23.42 2.15 |
| 12 13 14 14 15 16 17 18 19 20 Import 1 2 3 4 5 6 7 7 | 400 kV 400 kV 400 kV 220 kV 220 kV 220 kV 132 kV 132 kV 16 WPDC 1765 kV 1765 kV 17 | ZERDA -BHINMAL VINDHYACHAL -RIHAND RAPP-SHUJALPUR BHANPURA-RANPUR BHANPURA-MORAK MEHGAON-AURAIYA MALANPUR-AURAIYA MALANPUR-AURAIYA GWALIOR-SAWAI MADHOPUR RAJGHAT-LALITPUR With SR) BHADBAWATI B/B RAIGARH-PUGALUR SOLAPUR-RAICHUR WARDHA-NIZAMABAD KOLHAPUR-KUDGI KOLHAPUR-CHIKODI PONDA-AMBEWADI XELDEM-AMBEWADI IN Region ER ER | 1 1 2 1 1 1 1 1 1 1 1 1 1 1 1 1 1 2 | 686 960 514 0 0 157 122 0 0 0 0 157 122 0 0 0 21 0 1056 0 0 0 CHANGES Name ALIPURDUAR 1,2&3 i.e. f (from MANGDECHU 11,2,4 & 400kV I 1,2,4 & 400kV I 1,4 & 400kV I 1,5 & 5 & 5 & 5 & 5 & 5 & 5 & 5 & 5 & 5 & | 44 0 3337 99 30 0 0 0 WR-NR 1008 6031 1677 2824 0 0 0 115 WR-SR | 2.2 22.2 2.3 0.0 0.0 0.0 2.5 1.8 0.0 0.0 55.9 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 | 0.0 0.0 0.0 1.8 2.5 0.0 0.0 0.0 0.0 0.0 189.7 24.0 100.0 16.0 45.4 0.0 0.0 0.0 185.4 Import(Avg (MW) 488 | 2.2 22.2 23.3 -1.8 -2.5 1.8 0.0 0.0 -133.8 -24.0 -100.0 -16.0 -45.4 118.8 0.0 0.0 2.3 -164.4 +ve)/Export(-ve) Energy Exchange (MU) 11.71 23.42 |
| 12 13 14 14 15 16 17 18 19 20 Import 1 2 3 4 5 6 7 7 8 | 400 kV 400 kV 400 kV 220 kV 220 kV 220 kV 132 kV 132 kV 16 WPDC 1765 kV 1765 kV 17 | ZERDA -BHINMAL VINDHYACHAL -RIHAND RAPP-SHUJALPUR BHANPURA-RANPUR BHANPURA-MORAK MEHGAON-AURAIYA MALANPUR-AURAIYA MALANPUR-AURAIYA WITH SR WITH SR BHANDRAWATI B/B RAIGARH-PUGALUR SOLAPUR-RAICHUR WARDHA-NIZAMABAD KOLHAPUR-KUDGI KOLHAPUR-KUDGI KOLHAPUR-CHIKODI PONDA-AMBEWADI IN Region ER ER NER | 1 1 2 2 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 | 686 960 514 0 0 157 122 0 0 0 0 122 0 0 1056 0 1056 0 0 1056 0 1056 1056 10 | 44 0 3337 99 30 0 0 0 WR-NR 1008 6031 1677 2824 0 0 0 115 WR-SR Max (MW) 579 1032 67 21 | 2.2 22.2 23.3 0.0 0.0 0.0 2.5 1.8 0.0 0.0 55.9 0.0 0.0 0.0 0.0 0.0 0.0 18.8 0.0 0.0 2.3 21.0 Min (MW) 375 976 | 0.0 0.0 0.0 0.0 1.8 2.5 0.0 0.0 0.0 0.0 0.0 189.7 24.0 100.0 16.0 45.4 0.0 0.0 0.0 185.4 Import(Avg (MW) 488 976 67 | 2.2 22.2 23.3 -1.8 -2.5 2.5 1.8 0.0 0.0 -133.8 -24.0 -100.0 -16.0 -45.4 18.8 0.0 0.0 2.3 -164.4 +ve)/Export(-ve) Energy Exchange (MU) 11.71 23.42 2.15 0.35 |
| 12 13 14 14 15 16 17 18 19 20 Import 1 2 3 4 5 6 7 7 8 | 400 kV 400 kV 400 kV 220 kV 220 kV 220 kV 132 kV 132 kV 16 WPDC 1765 kV 1765 kV 17 | ZERDA -BHINMAL VINDHYACHAL -RIHAND RAPP-SHUJALPUR BHANPURA-RANPUR BHANPURA-MORAK MEHGAON-AURAIYA MALANPUR-AURAIYA MALANPUR-AURAIYA MALANPUR-AURAIYA WITH SR BHANDRAWATI BB RAIGARH-PUGALUR SOLAPUR-RAICHUR WARDHA-NIZAMABAD KOLHAPUR-KUDGI KOLHAPUR-KUDGI KOLHAPUR-CHIKODI PONDA-AMBEWADI XELDEM-AMBEWADI IN Region ER ER ER | 1 1 2 2 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 | 686 960 514 0 0 157 122 0 0 0 0 157 122 0 0 0 21 0 1056 0 0 0 CHANGES Name ALIPURDUAR 1,2&3 i.e. f (from MANGDECHU 11,2,4 & 400kV I 1,2,4 & 400kV I 1,4 & 400kV I 1,5 & 5 & 5 & 5 & 5 & 5 & 5 & 5 & 5 & 5 & | 44 0 3337 99 30 0 0 0 WR-NR 1008 6031 1677 2824 0 0 0 115 WR-SR Max (MW) 579 1032 | 2.2 22.2 2.3 0.0 0.0 0.0 2.5 1.8 0.0 0.0 55.9 0.0 0.0 0.0 0.0 0.0 0.0 0.0 2.3 21.0 Min (MW) 375 | 0.0 0.0 0.0 1.8 2.5 0.0 0.0 0.0 0.0 0.0 189.7 24.0 100.0 16.0 45.4 0.0 0.0 0.0 185.4 Import(Avg (MW) 488 | 2.2 22.2 23.3 -1.8 -2.5 -1.8 0.0 0.0 -133.8 -24.0 -100.0 -16.0 -45.4 18.8 0.0 0.0 2.3 -164.4 +ve)/Export(-ve) Energy Exchange (MU) 11.71 23.42 2.15 |
| 12 13 14 14 15 16 17 18 19 20 Import 1 2 3 4 4 5 6 7 | 400 kV 400 kV 400 kV 220 kV 220 kV 220 kV 132 kV 132 kV 16 WPDC 1765 kV 1765 kV 17 | ZERDA -BHINMAL VINDHYACHAL -RIHAND RAPP-SHUJALPUR BHANPURA-RANPUR BHANPURA-MORAK MEHGAON-AURAIYA MALANPUR-AURAIYA MALANPUR-AURAIYA WITH SR WITH SR BHANDRAWATI B/B RAIGARH-PUGALUR SOLAPUR-RAICHUR WARDHA-NIZAMABAD KOLHAPUR-KUDGI KOLHAPUR-KUDGI KOLHAPUR-CHIKODI PONDA-AMBEWADI IN Region ER ER NER | 1 1 2 2 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 | 686 960 514 0 0 157 122 0 0 0 0 122 0 0 1056 0 1056 0 0 1056 0 1056 1056 10 | 44 0 3337 99 30 0 0 0 WR-NR 1008 6031 1677 2824 0 0 0 115 WR-SR Max (MW) 579 1032 67 21 | 2.2 22.2 23.3 0.0 0.0 0.0 2.5 1.8 0.0 0.0 55.9 0.0 0.0 0.0 0.0 0.0 0.0 18.8 0.0 0.0 2.3 21.0 Min (MW) 375 976 | 0.0 0.0 0.0 0.0 1.8 2.5 0.0 0.0 0.0 0.0 0.0 189.7 24.0 100.0 16.0 45.4 0.0 0.0 0.0 185.4 Import(Avg (MW) 488 976 67 | 2.2 22.2 2.3 -1.8 -2.5 -1.8 0.0 0.0 -133.8 -24.0 -100.0 -16.0 -45.4 18.8 0.0 0.0 2.3 -164.4 +ve)/Export(-ve) Energy Exchange (MU) 11.71 23.42 2.15 0.35 |
| 12 13 14 14 15 16 17 18 19 20 Import 1 2 3 4 5 6 7 7 8 | 400 kV 400 kV 400 kV 220 kV 220 kV 220 kV 132 kV 132 kV 16 WPDC 1765 kV 1765 kV 17 | ZERDA -BHINMAL VINDHYACHAL -RIHAND RAPP-SHUJALPUR BHANPURA-RANPUR BHANPURA-MORAK MEHGAON-AURAIYA MALANPUR-AURAIYA MALANPUR-AURAIYA WITH SR WITH SR BHANDRAWATI B/B RAIGARH-PUGALUR SOLAPUR-RAICHUR WARDHA-NIZAMABAD KOLHAPUR-KUDGI KOLHAPUR-KUDGI KOLHAPUR-CHIKODI PONDA-AMBEWADI IN Region ER ER NER | 1 1 2 2 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 | 686 960 514 0 0 157 122 0 0 0 0 122 0 0 1056 0 0 211 0 0 0 CHANGES Name ALIPURDUAR 1,2&3 i.e. r (from MANGDECHU I 1,2,4 (& 400kV I i.e. BINAGURI EP 6*170MW) RA 1&2 (& 220kV i.e. BIRPARA RECEIPT 34MW) KATI GIA | 44 0 3337 99 30 0 0 0 WR-NR 1008 6031 1677 2824 0 0 0 115 WR-SR Max (MW) 579 1032 67 21 | 2.2 22.2 23.3 0.0 0.0 0.0 2.5 1.8 0.0 0.0 55.9 0.0 0.0 0.0 0.0 0.0 0.0 18.8 0.0 0.0 2.3 21.0 Min (MW) 375 976 | 0.0 0.0 0.0 0.0 1.8 2.5 0.0 0.0 0.0 0.0 0.0 189.7 24.0 100.0 16.0 45.4 0.0 0.0 0.0 185.4 Import(Avg (MW) 488 976 67 | 2.2 22.2 2.3 -1.8 -2.5 -1.8 0.0 0.0 -133.8 -24.0 -100.0 -16.0 -45.4 18.8 0.0 0.0 2.3 -164.4 +ve)/Export(-ve) Energy Exchange (MU) 11.71 23.42 2.15 0.35 |
| 12 13 14 14 15 16 17 18 19 20 Import 1 2 3 4 4 5 6 7 | 400 kV 400 kV 400 kV 220 kV 220 kV 220 kV 132 kV 132 kV 132 kV 132 kV 132 kV Export of WR (HVDC HVDC 765 kV 765 kV 220 kV 220 kV 220 kV State | ZERDA -BHINMAL VINDHYACHAL -RIHAND RAPP-SHUJALPUR BHANPURA-RANPUR BHANPURA-MORAK MEHGAON-AURAIYA MALANPUR-AURAIYA MALANPUR-AURAIYA MALANPUR-AURAIYA WITH SR) BHADRAWATI B/B RAIGARH-PUGALUR SOLAPUR-RAICHUR WARDHA-NIZAMABAD KOLHAPUR-KUDGI KOLHAPUR-CHIKODI PONDA-AMBEWADI IN Region ER ER NER NER | 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 | 686 960 514 0 0 157 122 0 0 0 0 122 0 0 1056 0 0 211 0 0 0 CHANGES Name ALIPURDUAR 1,2&3 i.e. r (from MANGDECHU I 1,2,4 (& 400kV I i.e. BINAGURI EP 6*170MW) RA 1&2 (& 220kV i.e. BIRPARA RECEIPT 34MW) KATI GIA | 44 0 3337 99 30 0 0 0 0 WR-NR 1008 6031 1677 2824 0 0 0 115 WR-SR Max (MW) 579 1032 67 21 57 | 2.2 22.2 2.3 0.0 0.0 0.0 0.0 2.5 1.8 0.0 0.0 55.9 0.0 0.0 0.0 0.0 0.0 18.8 0.0 0.0 2.3 21.0 Min (MW) 375 976 | 0.0 0.0 0.0 0.0 1.8 2.5 0.0 0.0 0.0 0.0 0.0 0.0 189.7 24.0 100.0 16.0 45.4 0.0 0.0 0.0 185.4 Import(Avg (MW) 488 976 67 15 43 | 2.2 22.2 2.3 -1.8 -2.5 -1.8 0.0 0.0 -133.8 -24.0 -100.0 -16.0 -45.4 18.8 0.0 0.0 2.3 -164.4 +ve)/Export(-ve) Energy Exchange (MU) 11.71 23.42 2.15 0.35 |
| 12 13 14 15 16 17 18 19 20 Import 1 2 3 4 4 5 6 7 8 | 400 kV 400 kV 400 kV 220 kV 220 kV 220 kV 132 kV 132 kV 132 kV 132 kV 132 kV Export of WR (HVDC HVDC 765 kV 765 kV 220 kV 220 kV 220 kV State | ZERDA -BHINMAL VINDHYACHAL -RIHAND RAPP-SHUJALPUR BHANPURA-RANPUR BHANPURA-MORAK MEHGAON-AURAIYA MALANPUR-AURAIYA MALANPUR-AURAIYA MALANPUR-AURAIYA WITH SR) BHADRAWATI B/B RAIGARH-PUGALUR SOLAPUR-RAICHUR WARDHA-NIZAMABAD KOLHAPUR-KUDGI KOLHAPUR-CHIKODI PONDA-AMBEWADI IN Region ER ER NER NER | 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 | 686 960 514 0 0 157 122 0 0 0 0 122 0 0 1056 0 0 1056 0 0 0 1056 1056 0 1056 1056 | 44 0 3337 99 30 0 0 0 0 WR-NR 1008 6031 1677 2824 0 0 0 115 WR-SR Max (MW) 579 1032 67 21 57 | 2.2 22.2 2.3 0.0 0.0 0.0 0.0 2.5 1.8 0.0 0.0 55.9 0.0 0.0 0.0 0.0 0.0 18.8 0.0 0.0 2.3 21.0 Min (MW) 375 976 | 0.0 0.0 0.0 0.0 1.8 2.5 0.0 0.0 0.0 0.0 0.0 0.0 189.7 24.0 100.0 16.0 45.4 0.0 0.0 0.0 185.4 Import(Avg (MW) 488 976 67 15 43 | 2.2 22.2 2.3 -1.8 -2.5 -1.8 0.0 0.0 -133.8 -24.0 -100.0 -16.0 -45.4 18.8 0.0 0.0 2.3 -164.4 +ve)/Export(-ve) Energy Exchange (MU) 11.71 23.42 2.15 0.35 |
| 12 13 14 15 16 17 18 19 20 Import 1 2 3 4 4 5 6 7 8 | 400 kV 400 kV 400 kV 220 kV 220 kV 220 kV 132 kV 132 kV 132 kV 132 kV 132 kV Export of WR (HVDC HVDC 765 kV 765 kV 220 kV 220 kV 220 kV State | ZERDA -BHINMAL VINDHYACHAL -RIHAND RAPP-SHUJALPUR BHANPURA-RANPUR BHANPURA-MORAK MEHGAON-AURAIYA MALANPUR-AURAIYA MALANPUR-AURAIYA WITH SR) BHANBAWATI B/B RAIGARH-PUGALUR SOLAPUR-RAICHUR WARDHA-NIZAMABAD KOLHAPUR-KUDGI KOLHAPUR-KUDGI KOLHAPUR-AMBEWADI IN Region ER ER NER NER NER | 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 | 686 960 514 0 0 157 122 0 0 0 0 122 0 0 1056 0 0 1056 0 0 0 1056 1056 0 1056 1056 | 44 0 3337 99 30 0 0 0 0 WR-NR 1008 6031 1677 2824 0 0 0 115 WR-SR Max (MW) 579 1032 67 21 57 0 | 2.2 22.2 2.3 0.0 0.0 0.0 0.0 2.5 1.8 0.0 0.0 55.9 0.0 0.0 0.0 0.0 0.0 0.0 18.8 0.0 0.0 2.3 21.0 Min (MW) 375 976 16 0 | 0.0 0.0 0.0 0.0 1.8 2.5 0.0 0.0 0.0 0.0 0.0 0.0 189.7 24.0 100.0 16.0 45.4 0.0 0.0 0.0 185.4 Import(Avg (MW) 488 976 67 15 43 | 2.2 22.2 231.8 -2.5 -1.8 0.0 0.0 -133.8 -24.0 -100.0 -16.0 -45.4 18.8 0.0 0.0 2.3 -164.4 +ve)/Export(-ve) Energy Exchange (MU) 11.71 23.42 2.15 0.35 1.04 1.28 |
| 12 13 14 15 16 17 18 19 20 Import 1 2 3 4 4 5 6 7 8 | 400 kV 400 kV 400 kV 220 kV 220 kV 220 kV 132 kV 132 kV 132 kV 132 kV 132 kV Export of WR (HVDC HVDC 765 kV 765 kV 220 kV 220 kV 220 kV State | ZERDA -BHINMAL VINDHYACHAL -RIHAND RAPP-SHUJALPUR BHANPURA-RANPUR BHANPURA-MORAK MEHGAON-AURAIYA MALANPUR-AURAIYA MALANPUR-AURAIYA WITH SR) BHANBAWATI B/B RAIGARH-PUGALUR SOLAPUR-RAICHUR WARDHA-NIZAMABAD KOLHAPUR-KUDGI KOLHAPUR-KUDGI KOLHAPUR-AMBEWADI IN Region ER ER NER NER NER ER ER | 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 | 686 960 514 0 0 157 122 0 0 0 0 122 0 0 1056 0 0 1056 0 0 0 1056 0 0 1056 1056 | 44 0 3337 99 30 0 0 0 0 WR-NR 1008 6031 1677 2824 0 0 0 115 WR-SR Max (MW) 579 1032 67 21 57 0 0 | 2.2 22.2 2.3 0.0 0.0 0.0 0.0 2.5 1.8 0.0 0.0 55.9 0.0 0.0 0.0 0.0 0.0 0.0 18.8 0.0 0.0 2.3 21.0 Min (MW) 375 976 16 0 0 | 0.0 0.0 0.0 0.0 1.8 2.5 0.0 0.0 0.0 0.0 0.0 0.0 189.7 24.0 100.0 16.0 45.4 0.0 0.0 0.0 185.4 Import(Avg (MW) 488 976 67 15 43 0 | 2.2 22.2 2.3 -1.8 -2.5 -1.8 0.0 0.0 -133.8 -24.0 -100.0 -16.0 -45.4 18.8 0.0 0.0 2.3 -164.4 +ve)/Export(-ve) Energy Exchange (MU) 11.71 23.42 2.15 0.35 1.04 1.28 0.00 0.00 |
| 12 13 14 15 16 17 18 19 20 Import 1 2 3 4 4 5 6 7 8 | 400 kV 400 kV 400 kV 220 kV 220 kV 220 kV 132 kV 132 kV 132 kV 132 kV 132 kV Export of WR (HVDC HVDC 765 kV 765 kV 220 kV 220 kV 220 kV State | ZERDA -BHINMAL VINDHYACHAL -RIHAND RAPP-SHUJALPUR BHANPURA-RANPUR BHANPURA-MORAK MEHGAON-AURAIYA MALANPUR-AURAIYA MALANPUR-AURAIYA WITH SR) BHANBAWATI B/B RAIGARH-PUGALUR SOLAPUR-RAICHUR WARDHA-NIZAMABAD KOLHAPUR-KUDGI KOLHAPUR-KUDGI KOLHAPUR-AMBEWADI IN Region ER ER NER NER NER | 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 | 686 960 514 0 0 157 122 0 0 0 0 122 0 0 1056 0 0 1056 0 0 0 1056 0 0 1056 1056 | 44 0 3337 99 30 0 0 0 0 WR-NR 1008 6031 1677 2824 0 0 0 115 WR-SR Max (MW) 579 1032 67 21 57 0 | 2.2 22.2 2.3 0.0 0.0 0.0 0.0 2.5 1.8 0.0 0.0 55.9 0.0 0.0 0.0 0.0 0.0 0.0 18.8 0.0 0.0 2.3 21.0 Min (MW) 375 976 16 0 | 0.0 0.0 0.0 0.0 1.8 2.5 0.0 0.0 0.0 0.0 0.0 0.0 189.7 24.0 100.0 16.0 45.4 0.0 0.0 0.0 185.4 Import(Avg (MW) 488 976 67 15 43 | 2.2 22.2 2.3 -1.8 -2.5 -1.8 0.0 0.0 -133.8 -24.0 -100.0 -16.0 -45.4 18.8 0.0 0.0 2.3 -164.4 +ve)/Export(-ve) Energy Exchange (MU) 11.71 23.42 2.15 0.35 1.04 1.28 |
| 12 13 14 14 15 16 17 18 19 20 Import/ 1 2 3 4 4 5 6 7 8 | 400 kV 400 kV 400 kV 220 kV 220 kV 220 kV 132 kV 132 kV 132 kV HVDC 765 kV 765 kV 220 kV 220 kV 220 kV 400 kV 220 kV 220 kV | ZERDA -BHINMAL VINDHYACHAL -RIHAND RAPP-SHUJALPUR BHANPURA-RANPUR BHANPURA-MORAK MEHGAON-AURAIYA MALANPUR-AURAIYA MALANPUR-AURAIYA WITH SR) BHANBAWATI B/B RAIGARH-PUGALUR SOLAPUR-RAICHUR WARDHA-NIZAMABAD KOLHAPUR-KUDGI KOLHAPUR-KUDGI KOLHAPUR-AMBEWADI IN Region ER ER NER NER NER ER ER | 1 | 686 960 514 0 0 157 122 0 0 0 0 122 0 0 1056 0 0 1056 0 0 1056 0 0 1056 1056 | 44 0 3337 99 30 0 0 0 0 0 WR-NR 1008 6031 1677 2824 0 0 0 115 WR-SR Max (MW) 579 1032 67 21 57 0 0 594 | 2.2 22.2 2.3 0.0 0.0 0.0 0.0 2.5 1.8 0.0 0.0 55.9 0.0 0.0 0.0 0.0 0.0 0.0 18.8 0.0 0.0 2.3 21.0 Min (MW) 375 976 16 0 0 0 0 16 17 18 18 18 18 18 18 18 18 18 | 0.0 0.0 0.0 0.0 1.8 2.5 0.0 0.0 0.0 0.0 0.0 0.0 189.7 24.0 100.0 16.0 45.4 0.0 0.0 0.0 185.4 Import(Avg (MW) 488 976 67 15 43 0 0 594 | 2.2 22.2 2.3 -1.8 -2.5 2.5 1.8 0.0 0.0 -133.8 -24.0 -100.0 -16.0 -45.4 18.8 0.0 0.0 2.3 -164.4 +ve)/Export(-ve) Energy Exchange (MU) 11.71 23.42 2.15 0.35 1.04 1.28 0.00 14.93 -20.66 |
| 12 13 14 15 16 17 18 19 20 Import/ 1 2 3 4 4 5 6 7 8 | 400 kV 400 kV 400 kV 220 kV 220 kV 220 kV 132 kV 132 kV 132 kV 132 kV 132 kV Export of WR (HVDC HVDC 765 kV 765 kV 220 kV 220 kV 220 kV State | ZERDA -BHINMAL VINDHYACHAL -RIHAND RAPP-SHUJALPUR BHANPURA-RANPUR BHANPURA-RANPUR BHANPURA-MORAK MEHGAON-AURAIYA MALANPUR-AURAIYA MALANPUR-AURAIYA WITH SR) BHADRAWATI B/B RAIGARH-PUGALUR SOLAPUR-RAICHUR WARDHA-NIZAMBAD KOLHAPUR-KUDGI KOLHAPUR-CHIKODI PONDA-AMBEWADI XELDEM-AMBEWADI ER ER NER NER NER ER ER ER | 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 | 686 960 514 0 0 157 122 0 0 0 0 122 0 0 1056 0 0 1056 0 0 1056 0 0 1056 1056 | 44 0 3337 99 30 0 0 0 0 WR-NR 1008 6031 1677 2824 0 0 0 115 WR-SR Max (MW) 579 1032 67 21 57 0 0 | 2.2 22.2 2.3 0.0 0.0 0.0 0.0 2.5 1.8 0.0 0.0 55.9 0.0 0.0 0.0 0.0 0.0 0.0 18.8 0.0 0.0 2.3 21.0 Min (MW) 375 976 16 0 0 | 0.0 0.0 0.0 0.0 1.8 2.5 0.0 0.0 0.0 0.0 0.0 0.0 189.7 24.0 100.0 16.0 45.4 0.0 0.0 0.0 185.4 Import(Avg (MW) 488 976 67 15 43 0 | 2.2 22.2 2.3 -1.8 -2.5 2.5 1.8 0.0 0.0 -133.8 -24.0 -100.0 -16.0 -45.4 18.8 0.0 0.0 2.3 -164.4 +ve)/Export(-ve) Energy Exchange (MU) 11.71 23.42 2.15 0.35 1.04 1.28 0.00 |
| 12 13 14 14 15 16 17 18 19 20 Import/ 1 2 3 4 4 5 6 7 8 | 400 kV 400 kV 400 kV 220 kV 220 kV 220 kV 132 kV 132 kV 132 kV HVDC 765 kV 765 kV 220 kV 220 kV 220 kV 400 kV 220 kV 220 kV | ZERDA -BHINMAL VINDHYACHAL -RIHAND RAPP-SHUJALPUR BHANPURA-RANPUR BHANPURA-MORAK MEHGAON-AURAIYA MALANPUR-AURAIYA MALANPUR-AURAIYA WITH SR) BHADRAWATI B/B RAIGARH-PUGALUR SOLAPUR-RAICHUR WARDHA-NIZAMABAD KOLHAPUR-KUDGI KOLHAPUR-CHIKODI PONDA-AMBEWADI ER ER NER NER NER ER ER ER ER | 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 | 686 960 514 0 0 157 122 0 0 0 0 122 0 0 1056 0 0 1056 0 0 1056 0 0 0 CHANGES Name ALIPURDUAR 1,2&3 i.e. F (from MANGDECHU II 1,2,4 (& 400kV I) i.e. BINAGURI IEP 6*170MW) RA 1&2 (& 220kV i.e. BIRPARA RECEIPT 84MW) KATI GIA GAR-TANAKPUR(NHPC) I BIHAR) UZAFFARPUR 1&2 C (B'DESH) HANPUR (B'DESH) D/C | 44 0 3337 99 30 0 0 0 0 0 WR-NR 1008 6031 1677 2824 0 0 0 115 WR-SR Max (MW) 579 1032 67 21 57 0 0 594 | 2.2 22.2 2.3 0.0 0.0 0.0 0.0 2.5 1.8 0.0 0.0 55.9 0.0 0.0 0.0 0.0 0.0 0.0 18.8 0.0 0.0 2.3 21.0 Min (MW) 375 976 16 0 0 0 0 16 17 18 18 18 18 18 18 18 18 18 | 0.0 0.0 0.0 0.0 1.8 2.5 0.0 0.0 0.0 0.0 0.0 0.0 189.7 24.0 100.0 16.0 45.4 0.0 0.0 0.0 185.4 Import(Avg (MW) 488 976 67 15 43 0 0 594 -861 | 2.2 22.2 2.3 -1.8 -2.5 2.5 1.8 0.0 0.0 -133.8 -24.0 -100.0 -16.0 -45.4 18.8 0.0 0.0 2.3 -164.4 +ve)/Export(-ve) Energy Exchange (MU) 11.71 23.42 2.15 0.35 1.04 1.28 0.00 14.93 -20.66 |
| 12 13 14 15 16 17 18 19 20 Import/ 1 2 3 4 4 5 6 7 8 | 400 kV 400 kV 400 kV 220 kV 220 kV 220 kV 132 kV 132 kV 132 kV HVDC 765 kV 765 kV 220 kV 220 kV 220 kV 400 kV 220 kV 220 kV | ZERDA -BHINMAL VINDHYACHAL -RIHAND RAPP-SHUJALPUR BHANPURA-RANPUR BHANPURA-MORAK MEHGAON-AURAIYA MALANPUR-AURAIYA MALANPUR-AURAIYA WITH SR) BHADRAWATI B/B RAIGARH-PUGALUR SOLAPUR-RAICHUR WARDHA-NIZAMABAD KOLHAPUR-KUDGI KOLHAPUR-CHIKODI PONDA-AMBEWADI ER ER NER NER NER ER ER ER ER | 1 | 686 960 514 0 0 157 122 0 0 0 0 122 0 0 1056 0 0 1056 0 0 1056 0 0 0 CHANGES Name ALIPURDUAR 1,2&3 i.e. F (from MANGDECHU II 1,2,4 (& 400kV I) i.e. BINAGURI IEP 6*170MW) RA 1&2 (& 220kV i.e. BIRPARA RECEIPT 84MW) KATI GIA GAR-TANAKPUR(NHPC) I BIHAR) UZAFFARPUR 1&2 C (B'DESH) HANPUR (B'DESH) D/C | 44 0 3337 99 30 0 0 0 0 0 WR-NR 1008 6031 1677 2824 0 0 0 115 WR-SR Max (MW) 579 1032 67 21 57 0 0 594 | 2.2 22.2 2.3 0.0 0.0 0.0 0.0 2.5 1.8 0.0 0.0 55.9 0.0 0.0 0.0 0.0 0.0 0.0 18.8 0.0 0.0 2.3 21.0 Min (MW) 375 976 16 0 0 0 0 16 17 18 18 18 18 18 18 18 18 18 | 0.0 0.0 0.0 0.0 1.8 2.5 0.0 0.0 0.0 0.0 0.0 0.0 189.7 24.0 100.0 16.0 45.4 0.0 0.0 0.0 185.4 Import(Avg (MW) 488 976 67 15 43 0 0 594 | 2.2 22.2 2.3 -1.8 -2.5 2.5 1.8 0.0 0.0 -133.8 -24.0 -100.0 -16.0 -45.4 18.8 0.0 0.0 2.3 -164.4 +ve)/Export(-ve) Energy Exchange (MU) 11.71 23.42 2.15 0.35 1.04 1.28 0.00 14.93 -20.66 |
| 12 13 14 15 16 17 18 19 20 Import/ 1 2 3 4 4 5 6 7 8 | 400 kV 400 kV 400 kV 220 kV 220 kV 220 kV 132 kV 132 kV 132 kV HVDC 765 kV 765 kV 220 kV 220 kV 220 kV 400 kV 220 kV 220 kV | ZERDA -BHINMAL VINDHYACHAL -RIHAND RAPP-SHUJALPUR BHANPURA-RANPUR BHANPURA-MORAK MEHGAON-AURAIYA MALANPUR-AURAIYA MALANPUR-AURAIYA With SR) BHADRAWATI B/B RAIGARH-PUGALUR SOLAPUR-RAICHUR WARDHA-NIZAMABAD KOLHAPUR-KUDGI KOLHAPUR-KUDGI KOLHAPUR-MBEWADI ER ER ER NER NER ER ER ER ER | 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 | 686 960 514 0 0 157 122 0 0 0 0 122 0 0 1056 0 0 1056 0 0 1056 0 0 0 CHANGES Name ALIPURDUAR 1,2&3 i.e. F (from MANGDECHU II 1,2,4 (& 400kV I) i.e. BINAGURI IEP 6*170MW) RA 1&2 (& 220kV i.e. BIRPARA RECEIPT 84MW) KATI GIA GAR-TANAKPUR(NHPC) I BIHAR) UZAFFARPUR 1&2 C (B'DESH) HANPUR (B'DESH) D/C | 44 0 3337 99 30 0 0 0 0 0 WR-NR 1008 6031 1677 2824 0 0 0 115 WR-SR Max (MW) 579 1032 67 21 57 0 0 594 -907 | 2.2 22.2 23.3 0.0 0.0 0.0 0.0 2.5 1.8 0.0 0.0 55.9 0.0 0.0 0.0 0.0 0.0 18.8 0.0 0.0 2.3 21.0 Min (MW) 375 976 16 0 0 0 16 17 18 18 18 18 18 18 18 18 18 | 0.0 0.0 0.0 0.0 1.8 2.5 0.0 0.0 0.0 0.0 0.0 0.0 189.7 24.0 100.0 16.0 45.4 0.0 0.0 0.0 185.4 Import(Avg (MW) 488 976 67 15 43 0 0 594 -861 | 2.2 22.2 2.3 -1.8 -2.5 -1.8 0.0 0.0 -133.8 -24.0 -100.0 -16.0 -45.4 18.8 0.0 0.0 2.3 -164.4 +ve)/Export(-ve) Energy Exchange (MU) 11.71 23.42 2.15 0.35 1.04 1.28 0.00 14.93 -20.66 |

CROSS BORDER EXCHANGE SCHEDULE

Date of Reporting: 07-Oct-2023

Export From India (in MU)

| Export From II | iuia (iii WIC) | I | | | | | | | |
|----------------|----------------|-----------|------------|------|------|------|------|------|-------|
| | | T-GNA | | | | | | | |
| | GNA | | COLLECTIVE | | | | | | |
| Country | (ISGS/PPA) | BILATERAL | IDAM | | | RTM | | | TOTAL |
| | | TOTAL | IEX | PXIL | HPX | IEX | PXIL | HPX | |
| Bhutan | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Nepal | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Bangladesh | 20.76 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 20.76 |
| Myanmar | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Total Export | 20.76 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 20.76 |

Import by India(in MU)

| | T-GNA | | | | | | | | |
|--------------|-------------------|--------------------|-------|------|------|------|------|------|-------|
| | GNA (ISGA/PPA) | COLLECTIVE | | | | | | | |
| Country | | BILATERAL TOTAL | IDAM | | | RTM | | | TOTAL |
| | | | IEX | PXIL | HPX | IEX | PXIL | HPX | |
| Bhutan | 34.61 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 34.61 |
| Nepal | 2.63 | 0.00 | 11.47 | 0.00 | 0.00 | 0.35 | 0.00 | 0.00 | 14.45 |
| Bangladesh | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Myanmar | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Total Import | 37.24 | 0.00 | 11.47 | 0.00 | 0.00 | 0.35 | 0.00 | 0.00 | 49.06 |

Net from India(in MU) -ve : Export / +ve : Import

| | | T-GNA | | | | | | | |
|------------|------------|-----------|------------|------|------|------|------|------|--------|
| | GNA | | COLLECTIVE | | | | | | |
| Country | (ISGS/PPA) | BILATERAL | IDAM | | | RTM | | | TOTAL |
| | | TOTAL | IEX | PXIL | HPX | IEX | PXIL | HPX | |
| Bhutan | 34.61 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 34.61 |
| Nepal | 2.63 | 0.00 | 11.47 | 0.00 | 0.00 | 0.35 | 0.00 | 0.00 | 14.45 |
| Bangladesh | -20.76 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | -20.76 |
| Myanmar | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Total Net | 16.48 | 0.00 | 11.47 | 0.00 | 0.00 | 0.35 | 0.00 | 0.00 | 28.30 |