

## National Load Despatch Centre राष्ट्रीय भार प्रेषण केंद्र POWER SYSTEM OPERATION CORPORATION LIMITED पॉवर सिस्टम ऑपरेशन कारपोरेशन लिमिटेड

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

दिनांक: 12<sup>th</sup> July 2022

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Ref: POSOCO/NLDC/SO/Daily PSP Report

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 11.07.2022.

महोदय/Dear Sir,

आई॰ई॰जी॰सी॰-२०१० की धारा स.-५.५.१ के प्रावधान के अनुसार, दिनांक ११-जुलाई-२०२२ की अखिल भारतीय प्रणाली की

दैनिक ग्रिड निष्पादन रिपोर्ट रा०भा०प्रे०के० की वेबसाइट पर उप्लब्ध है।

As per article 5.5.1 of the Indian Electricity Grid Code, the daily report pertaining power supply position of All India Power System for the date 11<sup>th</sup> July 2022, is available at the NLDC website.

धन्यवाद,

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



Report for previous day

Date of Reporting: 12-Jul-2022

Date of Reporting: 12-Jul-2022

|   | NR     | WR    | SR    | ER    | NER   | TOTAL  |
|---|--------|-------|-------|-------|-------|--------|
| Demand Met during Evening Peak hrs(MW) (at 20:00 hrs; from RLDCs) | 67908  | 46668 | 38561 | 25191 | 2981  | 181309 |
| Peak Shortage (MW)  | 183    | 0     | 0     | 730   | 57    | 970    |
| Energy Met (MU)   | 1560   | 1093  | 845   | 558   | 60    | 4115   |
| Hydro Gen (MU)  | 363    | 23    | 89    | 108   | 32    | 613    |
| Wind Gen (MU)   | 11     | 180   | 283   |       | -     | 475    |
| Solar Gen (MU)*   | 101.93 | 27.73 | 55.98 | 4.41  | 0.55  | 191    |
| Energy Shortage (MU)  | 4.86   | 0.00  | 0.00  | 4.46  | 0.44  | 9.76   |
| Maximum Demand Met During the Day (MW) (From NLDC SCADA)          | 73429  | 47412 | 39736 | 25607 | 3062  | 182818 |
| Fime Of Maximum Demand Met (From NLDC SCADA)                      | 22:24  | 09:33 | 09:32 | 23:17 | 18:53 | 20:00  |

|        |                      | Max.Demand     | Shortage during | Energy Met | Drawal   | OD(+)/UD(-) | Max OD  | Energy   |
|--------|----------------------|----------------|-----------------|------------|----------|-------------|---------|----------|
| Region | States               | Met during the | maximum         | (MU)       | Schedule | (MU)        | (MW)    | Shortage |
|        |                      | dav(MW)        | Demand(MW)      | (MC)       | (MU)     | (NIC)       | (14144) | (MU)     |
|        | Punjab               | 13277          | 0               | 290.0      | 190.8    | -0.5        | 110     | 0.00     |
|        | Haryana              | 10953          | 143             | 224.5      | 154.8    | 2.1         | 257     | 0.42     |
|        | Rajasthan            | 11002          | 0               | 238.5      | 63.0     | 0.4         | 376     | 0.00     |
|        | Delhi                | 6528           | 0               | 130.4      | 118.5    | -2.0        | 270     | 0.00     |
| NR     | UP                   | 25765          | 520             | 535.7      | 259.9    | -0.2        | 554     | 2.81     |
|        | Uttarakhand          | 2206           | 0               | 47.6       | 27.3     | 0.9         | 137     | 1.63     |
|        | HP                   | 1567           | 0               | 32.4       | -5.9     | -1.2        | 21      | 0.00     |
|        | J&K(UT) & Ladakh(UT) | 2693           | 0               | 53.9       | 32.0     | -3.4        | 188     | 0.00     |
|        | Chandigarh           | 330            | 0               | 6.6        | 6.9      | -0.3        | 26      | 0.00     |
|        | Chhattisgarh         | 4165           | 0               | 101.2      | 44.4     | 0.2         | 217     | 0.00     |
|        | Gujarat              | 14289          | 0               | 310.6      | 141.4    | -4.4        | 1091    | 0.00     |
|        | MP                   | 9003           | 0               | 205.5      | 107.3    | 0.0         | 516     | 0.00     |
| WR     | Maharashtra          | 19494          | 0               | 418.1      | 125.2    | -3.4        | 784     | 0.00     |
|        | Goa                  | 568            | 0               | 11.6       | 11.7     | -0.2        | 49      | 0.00     |
|        | DNHDDPDCL            | 1142           | 0               | 26.0       | 26.0     | 0.0         | 97      | 0.00     |
|        | AMNSIL               | 881            | 0               | 19.5       | 10.8     | -0.5        | 267     | 0.00     |
|        | Andhra Pradesh       | 7195           | 0               | 163.3      | -0.1     | -0.5        | 579     | 0.00     |
|        | Telangana            | 7071           | 0               | 136.5      | 64.3     | 0.4         | 385     | 0.00     |
| SR     | Karnataka            | 8034           | 0               | 154.5      | 26.1     | -0.7        | 996     | 0.00     |
|        | Kerala               | 3305           | 0               | 65.3       | 41.7     | -0.9        | 223     | 0.00     |
|        | Tamil Nadu           | 14539          | 0               | 316.2      | 124.3    | -2.5        | 650     | 0.00     |
|        | Puducherry           | 387            | 0               | 9.2        | 9.0      | -0.5        | 32      | 0.00     |
|        | Bihar                | 6358           | 0               | 137.3      | 126.5    | 0.3         | 371     | 3.89     |
|        | DVC                  | 3588           | 0               | 76.9       | -38.2    | 0.2         | 251     | 0.00     |
|        | Jharkhand            | 1676           | 0               | 33.9       | 27.5     | -1.8        | 157     | 0.56     |
| ER     | Odisha               | 5681           | 0               | 123.8      | 58.6     | -1.3        | 247     | 0.00     |
|        | West Bengal          | 9031           | 0               | 184.1      | 70.1     | -0.1        | 472     | 0.00     |
|        | Sikkim               | 98             | 0               | 1.6        | 1.4      | 0.2         | 24      | 0.00     |
|        | Arunachal Pradesh    | 142            | 0               | 2.5        | 2.6      | -0.4        | 23      | 0.00     |
|        | Assam                | 2056           | 0               | 39.4       | 32.2     | -0.9        | 120     | 0.00     |
|        | Manipur              | 189            | 0               | 2.7        | 2.8      | -0.1        | 17      | 0.00     |
| NER    | Meghalaya            | 283            | 15              | 5.5        | 0.6      | 0.3         | 114     | 0.44     |
|        | Mizoram              | 97             | 0               | 1.6        | 1.4      | -0.2        | 4       | 0.00     |
|        | Nagaland             | 154            | 0               | 2.8        | 2.5      | -0.2        | 15      | 0.00     |
|        | Tripura              | 304            | 0               | 5.6        | 6.0      | 0.2         | 125     | 0.00     |

| D. Transnational Exchanges (MU) - Import(+ve)/Export(-ve) |        |       |            |  |  |  |  |  |
|---|--------|-------|------------|--|--|--|--|--|
|   | Bhutan | Nepal | Bangladesh |  |  |  |  |  |
| Actual (MU)   | 24.6   | 5.5   | -14.8      |  |  |  |  |  |
| Day Peak (MW)   | 1492.0 | 297.6 | -642.0     |  |  |  |  |  |

| Actual (WU) | 24.0 | 5.5 | -14.8 | | |
| Day Peak (MW) | 1492.0 | 297.6 | -642.0 |
| E. Import/Export by Regions (in MU) - Import(+ve)/Export(-ve); OD(+)/UD(-)

|                          | NR    | WR     | SR       | ER    | NER      | TOTAL |
|--------------------------|-------|--------|----------|-------|----------|-------|
| Schedule(MU)             | 325.6 | -201.9 | -36.6    | -80.2 | -6.9     | 0.0   |
| Actual(MU)               | 328.8 | -189.1 | -64.9    | -71.0 | -8.8     | -5.1  |
| O/D/U/D(MU)              | 3.1   | 12.7   | -28.3    | 9.2   | -1.9     | -5.1  |
| F. Generation Outage(MW) | •     | •      | <u>-</u> |       | <u>-</u> | •     |

| Generation Outage(MW) |       |       |       |      |     |       |         |
|-----------------------|-------|-------|-------|------|-----|-------|---------|
|                       | NR    | WR    | SR    | ER   | NER | TOTAL | % Share |
| Central Sector        | 4080  | 16576 | 8408  | 2555 | 309 | 31927 | 43      |
| State Sector          | 7655  | 18469 | 13285 | 3390 | 281 | 43079 | 57      |
| Total                 | 11735 | 35044 | 21693 | 5945 | 590 | 75006 | 100     |

| G. Sourcewise generation (MU)       |      |      |     |     |     |           |         |
|-------------------------------------|------|------|-----|-----|-----|-----------|---------|
| G. Sourcewise generation (MC)       | NR   | WR   | SR  | ER  | NER | All India | % Share |
| Coal                                | 716  | 1047 | 346 | 554 | 14  | 2676      | 63      |
| Lignite                             | 26   | 5    | 56  | 0   | 0   | 87        | 2       |
| Hydro                               | 365  | 23   | 89  | 108 | 32  | 616       | 14      |
| Nuclear                             | 29   | 26   | 68  | 0   | 0   | 123       | 3       |
| Gas, Naptha & Diesel                | 20   | 3    | 9   | 0   | 29  | 61        | 1       |
| RES (Wind, Solar, Biomass & Others) | 131  | 208  | 371 | 4   | 1   | 715       | 17      |
| T-4-1                               | 1200 | 1212 | 020 | /// |     | 4200      | 100     |

| Share of RES in total generation (%)                                     | 10.18 | 15.87 | 39.57 | 0.66  | 0.73  | 16.72 |
|--|-------|-------|-------|-------|-------|-------|
| Share of Non-fossil fuel (Hydro, Nuclear and RES) in total generation(%) | 40.81 | 19.61 | 56.23 | 16.80 | 42.79 | 33.99 |

| H. All India Demand Diversity Factor |     |
|--------------------------------------|-----|
| Based on Regional Max Demands        | 1.0 |
|                                      |     |

Based on Regional Max Demands

Based on State Max Demands

1.061

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)

|                       |  |   |  |  |   |   | Date of Reporting:   | 12-Jul-2022   |
|-----------------------|--|---|--|--|---|---|--|---|
| Sl                    | Voltage Level  | Line Details  | No. of Circuit   | Max Import (MW)  | Max Export (MW)   | Import (MU)   | Export (MU)  | NET (MU)  |
| Impo                  | ort/Export of ER (   |   |  |  |   | <b>-</b> ()   |  | 1,22 ()   |
| 1                     |  | ALIPURDUAR-AGRA   | 2  | 0  | 1401  | 0.0   | 33.4   | -33.4   |
| 2                     |  | PUSAULI B/B   | -  | 0  | 49  | 0.0   | 1.1  | -1.1  |
| 3                     |  | GAYA-VARANASI   | 2  | 706  | 152   | 7.3   | 0.0  | 7.3   |
| 5                     |  | SASARAM-FATEHPUR<br>GAYA-BALIA  | 1  | 193<br>0   | 157<br>889  | 0.0   | 0.1<br>14.3  | -0.1<br>-14.3   |
| 6                     | 400 kV   | PUSAULI-VARANASI  | - Î  | 11   | 78  | 0.0   | 0.9  | -0.9  |
| 7                     |  | PUSAULI -ALLAHABAD  | 1  | 22   | 69  | 0.0   | 0.2  | -0.2  |
| 9                     |  | MUZAFFARPUR-GORAKHPUR<br>PATNA-BALIA  | 2  | 0  | 889   | 0.0   | 11.9<br>9.6  | -11.9<br>-9.6   |
| 10                    |  | NAUBATPUR-BALIA   | 2  | 0  | 628<br>664  | 0.0   | 9.8  | -9.6<br>-9.8  |
| 11                    | 400 kV   | BIHARSHARIFF-BALIA  | 2  | 0  | 534   | 0.0   | 6.1  | -6.1  |
| 12                    |  | MOTIHARI-GORAKHPUR  | 2  | 0  | 477   | 0.0   | 6.0  | -6.0  |
| 13                    |  | BIHARSHARIFF-VARANASI   | 2  | 197  | 197   | 0.8   | 0.0<br>2.0   | 0.8   |
| 14                    |  | SAHUPURI-KARAMNASA<br>NAGAR UNTARI-RIHAND   | 1  | 0  | 171<br>0  | 0.0   | 0.0  | -2.0<br>0.0   |
| 16                    |  | GARWAH-RIHAND   | i  | 25   | Ö   | 0.4   | 0.0  | 0.4   |
| 17                    |  | KARMANASA-SAHUPURI  | 1  | 0  | 0   | 0.0   | 0.0  | 0.0   |
| 18                    | 132 kV   | KARMANASA-CHANDAULI   | 1  | 0  | 0   | 0.0   | 0.0  | 0.0   |
| Impo                  | ort/Export of ER (   | With WP)  |  |  | ER-NR   | 8.5   | 95.5   | -87.0   |
| 1                     | 765 kV   | JHARSUGUDA-DHARAMJAIGARH  | 4  | 629  | 0   | 10.6  | 0.0  | 10.6  |
| 2                     | 765 kV   | NEW RANCHI-DHARAMJAIGARH  | 2  | 1707   | 0   | 28.3  | 0.0  | 28.3  |
| 3                     |  | JHARSUGUDA-DURG   | 2  | 0  | 314   | 0.0   | 1.1  | -1.1  |
| 4                     |  | JHARSUGUDA-RAIGARH  | 4  | 0  | 312   | 0.0   | 2.0  | -2.0  |
| 5                     |  | RANCHI-SIPAT  | 2  | 378  | 0   | 5.3   | 0.0  | 5.3   |
|                       |  | BUDHIPADAR-RAIGARH  | 1  | 5  | 104   |   | 1.2  |   |
| 7                     |  | BUDHIPADAR-KAIGAKH BUDHIPADAR-KORBA   | 2  | 152  | 104   | 1.9   | 0.0  | -1.2<br>1.9   |
| +                     | 220 KV   | DUDIHFADAR-KUKBA  | <u> </u>   | 134  | ER-WR   | 46.1  | 4.3  | 41.8  |
| Impo                  | ort/Export of ER (   | With SR)  |  |  | ER-WK   | 40.1  |  | 71.0  |
| 1                     | HVDC   | JEYPORE-GAZUWAKA B/B  | 2  | 587  | 0   | 14.1  | 0.0  | 14.1  |
| 2                     | HVDC   | TALCHER-KOLAR BIPOLE  | 2  | 0  | 1642  | 0.0   | 35.3   | -35.3   |
| 3                     |  | ANGUL-SRIKAKULAM  | 2  | 711  | 2718  | 0.0   | 40.7   | -40.7   |
| 5                     |  | TALCHER-I/C<br>BALIMELA-UPPER-SILERRU   | 1  | 711  | 259<br>0  | 9.5<br>0.0  | 0.0  | 9.5<br>0.0  |
|                       | ALU RY   | D.I.D.A.ELG-GILERRO   | 1  |  | ER-SR   | 14.1  | 75.9   | -61.8   |
| Impo                  | ort/Export of ER (   |   |  |  |   |   |  |   |
| 1                     |  | BINAGURI-BONGAIGAON   | 2  | 0  | 410   | 0.0   | 6.3  | -6.3  |
| 3                     |  | ALIPURDUAR-BONGAIGAON<br>ALIPURDUAR-SALAKATI  | 2  | 225  | 261<br>87   | 0.0   | 1.3<br>1.2   | -1.3<br>-1.2  |
| 3                     | 220 K V  | ALII URDUAR-SALAKATI  | . 4  |  | ER-NER  | 0.0   | 8.8  | -1.2<br>-8.8  |
| Impo                  | ort/Export of NER  | (With NR)   |  |  |   | 0.0   |  | -0.0  |
| 1                     | HVDC   | BISWANATH CHARIALI-AGRA   | 2  | 0  | 1005  | 0.0   | 18.4   | -18.4   |
| T                     | ort/Export of WR (   | Wat ND  |  |  | NER-NR  | 0.0   | 18.4   | -18.4   |
| 1mpo                  |  | CHAMPA-KURUKSHETRA  | 2  | 0  | 5007  | 0.0   | 75.3   | -75.3   |
| 2                     |  | VINDHYACHAL B/B   | -  | 447  | 0   | 12.2  | 0.0  | 12.2  |
| 3                     |  | MUNDRA-MOHINDERGARH   | 2  | 0  | 2020  | 0.0   | 38.0   | -38.0   |
| 4                     |  | GWALIOR-AGRA  | 2  | 0  | 2035  | 0.0   | 28.8   | -28.8   |
| 5                     |  | GWALIOR-PHAGI   | 2  | 364  | 1414  | 0.5   | 14.2   | -13.7   |
| 7                     |  | JABALPUR-ORAI<br>GWALIOR-ORAI   | 1  | 0<br>476   | 1064  | 0.0<br>6.9  | 27.6<br>0.0  | -27.6<br>6.9  |
| 8                     | 765 kV   | SATNA-ORAI  | 1  | 0  | 1003  | 0.0   | 19.1   | -19.1   |
| 9                     | 765 kV   | BANASKANTHA-CHITORGARH  | 2  | 864  | 324   | 5.6   | 0.0  | 5.6   |
| 10                    | 765 kV   | VINDHYACHAL-VARANASI  | 2  | 0  | 3763  | 0.0   | 74.8   | -74.8   |
| 11                    |  | ZERDA-KANKROLI  | 1  | 239  | 20  | 2.2   | 0.0  | 2.2   |
| 12                    | 400 kV<br>400 kV   | ZERDA -BHINMAL<br>VINDHYACHAL -RIHAND   | 1  | 447<br>958   | 37  | 4.5<br>21.6   | 0.0  | 4.5<br>21.6   |
| 14                    |  | RAPP-SHUJALPUR  | 2  | 958<br>340   | 574   | 21.6<br>1.4   | 2.7  | -1.3  |
| 15                    |  | BHANPURA-RANPUR   | 1  | 0  | 0   | 0.0   | 0.0  | 0.0   |
| 16                    | 220 kV   | BHANPURA-MORAK  | 1  | 0  | 30  | 0.0   | 2.9  | -2.9  |
| 17                    |  | MEHGAON-AURAIYA   | 1  | 79   | 0   | 0.3   | 0.0  | 0.2   |
| 18                    | 220 kV   | MALANPUR-AURAIYA  | 1  | 47<br>0  | 18  | 0.9   | 0.0  | 0.9   |
| 20                    | 132 kV<br>132 kV   | GWALIOR-SAWAI MADHOPUR  |  |  | U   |   |  | 0.0   |
|                       |  | RAJGHAT-LALITPUR  | 2  |  | 0   |   |  | 0.0   |
|                       |  | RAJGHAT-LALITPUR  | 2  | 0  | 0<br>WR-NR  | 0.0<br>55.9   | 0.0<br>0.0<br>283.3  | 0.0<br>0.0<br>-227.4  |
| 1                     | ort/Export of WR (   | With SR)  | 2  |  |   | 0.0<br>55.9   | 0.0<br>283.3   | 0.0<br>-227.4   |
| 2                     | HVDC   | With SR)<br>BHADRAWATI B/B  | 2  | 984  | 0   | 0.0<br>55.9<br>19.6   | 0.0<br>283.3   | 0.0<br>-227.4<br>19.6   |
| 3                     | HVDC<br>HVDC   | With SR)<br>BHADRAWATI B/B<br>RAIGARH-PUGALUR   | 2<br>-<br>2<br>2   | 984<br>2868  | 0   | 0.0<br>55.9<br>19.6<br>57.2   | 0.0<br>283.3<br>0.0<br>0.0   | 0.0<br>-227.4<br>19.6<br>57.2   |
| 3                     | HVDC<br>HVDC<br>765 kV   | With SR)<br>BHADRAWATI B/B  |  | 984  | 0   | 0.0<br>55.9<br>19.6   | 0.0<br>283.3   | 0.0<br>-227.4<br>19.6   |
| 5                     | HVDC<br>HVDC<br>765 kV<br>765 kV<br>400 kV   | With SR) BHADRAWATI B/B RAIGARH-PUGALUR SOLAPUR-RAICHUR WARDHA-NIZAMABAD KOLHAPUR-KUDGI   | 2<br>2<br>2  | 984<br>2868<br>1161  | 0<br>0<br>1176<br>2522<br>0   | 0.0<br>55.9<br>19.6<br>57.2<br>8.7<br>0.0<br>27.4   | 0.0<br>283.3<br>0.0<br>0.0<br>4.3<br>30.4<br>0.0   | 0.0<br>-227.4<br>19.6<br>57.2<br>4.4<br>-30.4<br>27.4   |
| 5<br>6                | HVDC<br>HVDC<br>765 kV<br>765 kV<br>400 kV<br>220 kV                               | With SR) BHADRAWATI B/B RAIGARH-PUGALUR SOLAPUR-RAIGHUR WARDHA-NIZAMABAD KOLHAPUR-KUDGI KOLHAPUR-CHIKODI  | 2<br>2<br>2<br>2<br>2  | 984<br>2868<br>1161<br>0<br>1546   | 0<br>0<br>1176<br>2522<br>0<br>0  | 0.0<br>55.9<br>19.6<br>57.2<br>8.7<br>0.0<br>27.4<br>0.0                                    | 0.0<br>283.3<br>0.0<br>0.0<br>4.3<br>30.4<br>0.0   | 0.0<br>-227.4<br>19.6<br>57.2<br>4.4<br>-30.4<br>27.4<br>0.0  |
| 5<br>6<br>7           | HVDC<br>HVDC<br>765 kV<br>765 kV<br>400 kV<br>220 kV                               | With SR) BHADRAWATI B/B RAIGARH-PUGALUR SOLAPUR-RAICHUR WARDHA-NIZAMABAD KOLHAPUR-KUDGI KOLHAPUR-CHIKODI PONDA-AMBEWADI   | 2<br>2<br>2<br>2<br>2<br>1   | 984<br>2868<br>1161<br>0<br>1546<br>0  | 0<br>0<br>1176<br>2522<br>0<br>0  | 0.0<br>55.9<br>19.6<br>57.2<br>8.7<br>0.0<br>27.4<br>0.0                                    | 0.0<br>283.3<br>0.0<br>0.0<br>4.3<br>30.4<br>0.0<br>0.0  | 0.0<br>-227.4<br>19.6<br>57.2<br>4.4<br>-30.4<br>27.4<br>0.0  |
| 5<br>6                | HVDC<br>HVDC<br>765 kV<br>765 kV<br>400 kV<br>220 kV                               | With SR) BHADRAWATI B/B RAIGARH-PUGALUR SOLAPUR-RAIGHUR WARDHA-NIZAMABAD KOLHAPUR-KUDGI KOLHAPUR-CHIKODI  | 2<br>2<br>2<br>2<br>2  | 984<br>2868<br>1161<br>0<br>1546   | 0<br>0<br>1176<br>2522<br>0<br>0  | 0.0<br>55.9<br>19.6<br>57.2<br>8.7<br>0.0<br>27.4<br>0.0<br>0.0<br>1.6                      | 0.0<br>283.3<br>0.0<br>0.0<br>4.3<br>30.4<br>0.0   | 0.0<br>-227.4<br>19.6<br>57.2<br>4.4<br>-30.4<br>27.4<br>0.0  |
| 5<br>6<br>7           | HVDC<br>HVDC<br>765 kV<br>765 kV<br>400 kV<br>220 kV                               | With SR) BHADRAWATI B/B BAIGARH-PUGALUR SOLAPUR-RAICHUR WARDHA-NIZAMABAD KOLHAPUR-KUDGI KOLHAPUR-CHIKODI PONDA-AMBEWADI XELDEM-AMBEWADI   | 2<br>2<br>2<br>2<br>2<br>1<br>1  | 984<br>2868<br>1161<br>0<br>1546<br>0<br>0   | 0<br>0<br>1176<br>2522<br>0<br>0<br>0   | 0.0<br>55.9<br>19.6<br>57.2<br>8.7<br>0.0<br>27.4<br>0.0                                    | 0.0<br>283.3<br>0.0<br>0.0<br>4.3<br>30.4<br>0.0<br>0.0<br>0.0<br>0.0<br>34.7  | 0.0<br>-227.4<br>19.6<br>57.2<br>4.4<br>-30.4<br>27.4<br>0.0<br>0.0<br>1.6<br>79.9  |
| 5<br>6<br>7           | HVDC<br>HVDC<br>765 kV<br>765 kV<br>400 kV<br>220 kV<br>220 kV<br>220 kV           | With SR) BHADRAWATI B/B BHADRAWATI B/B RAIGARB-PUGALUR SOLAPUR-RAICHUR WARPHA-NIZAMABAD KOLHAPUR-KUDGI KOLHAPUR-CHIKODI PONDA-AMBEWADI XELDEM-AMBEWADI  | 2<br>2<br>2<br>2<br>2<br>1<br>1<br>1   | 984<br>2868<br>1161<br>0<br>1546<br>0<br>0<br>0  | 0<br>0<br>1176<br>2522<br>0<br>0<br>0<br>0<br>109<br>WR-SR  | 0.0<br>55.9<br>19.6<br>57.2<br>8.7<br>0.0<br>27.4<br>0.0<br>0.0<br>1.6<br>114.6             | 0.0<br>283.3<br>0.0<br>0.0<br>4.3<br>30.4<br>0.0<br>0.0<br>0.0<br>0.0<br>34.7<br>Importi                             | 0.0<br>-227.4<br>19.6<br>57.2<br>4.4<br>-30.4<br>27.4<br>0.0<br>0.0   |
| 5<br>6<br>7           | HVDC<br>HVDC<br>765 kV<br>765 kV<br>400 kV<br>220 kV                               | With SR) BHADRAWATI B/B BAIGARH-PUGALUR SOLAPUR-RAICHUR WARDHA-NIZAMABAD KOLHAPUR-KUDGI KOLHAPUR-CHIKODI PONDA-AMBEWADI XELDEM-AMBEWADI   | 2 2 2 2 2 1 1 1 TERNATIONAL EX   | 984<br>2868<br>1161<br>0<br>1546<br>0<br>0<br>0<br>0   | 0<br>0<br>1176<br>2522<br>0<br>0<br>0   | 0.0<br>55.9<br>19.6<br>57.2<br>8.7<br>0.0<br>27.4<br>0.0<br>0.0<br>1.6                      | 0.0<br>283.3<br>0.0<br>0.0<br>4.3<br>30.4<br>0.0<br>0.0<br>0.0<br>0.0<br>34.7  | 0.0<br>-227.4<br>19.6<br>57.2<br>4.4<br>-30.4<br>27.4<br>0.0<br>0.0<br>1.6<br>79.9<br>+ve)/Export(-ve)                                    |
| 5<br>6<br>7           | HVDC<br>HVDC<br>765 kV<br>765 kV<br>400 kV<br>220 kV<br>220 kV<br>220 kV           | With SR) BHADRAWATI B/B BAIGARH-PUGALUR SOLAPUR-RAICHUR WARDHA-NIZAMABAD KOLHAPUR-KUDGI KOLHAPUR-KUDGI FONDA-AMBEWADI XELDEM-AMBEWADI IN Region   | 2 2 2 2 1 1 1 TERNATIONAL EX Line 400kV MANGDECHI  | 984<br>2868<br>1161<br>0<br>1546<br>0<br>0<br>0<br>CHANGES   | 0<br>0<br>1176<br>2522<br>0<br>0<br>0<br>109<br>WR-SR   | 0.0<br>55.9<br>19.6<br>57.2<br>8.7<br>0.0<br>27.4<br>0.0<br>0.0<br>1.6<br>114.6<br>Min (MW) | 0.0<br>283.3<br>0.0<br>0.0<br>4.3<br>30.4<br>0.0<br>0.0<br>0.0<br>0.0<br>34.7<br>Import<br>Avg (MW)                  | 0.0 -227.4  19.6 57.2 4.4 -30.4 27.4 0.0 0.0 1.6 79.9 +ve)/Export(-ve) Energy Exchange (MU)   |
| 5<br>6<br>7           | HVDC<br>HVDC<br>765 kV<br>765 kV<br>400 kV<br>220 kV<br>220 kV<br>220 kV           | With SR) BHADRAWATI B/B BHADRAWATI B/B RAIGARB-PUGALUR SOLAPUR-RAICHUR WARPHA-NIZAMABAD KOLHAPUR-KUDGI KOLHAPUR-CHIKODI PONDA-AMBEWADI XELDEM-AMBEWADI  | 2<br>2<br>2<br>2<br>2<br>1<br>1<br>1<br>TERNATIONAL EX<br>Line<br>400kV MANGDECHI<br>1,2&3 i.e. ALIPURDU   | 984 2868 1161 0 1546 0 0 0 CCHANGES Name UU-ALIPURDUAR AR RECEIFT (from  | 0<br>0<br>1176<br>2522<br>0<br>0<br>0<br>0<br>109<br>WR-SR  | 0.0<br>55.9<br>19.6<br>57.2<br>8.7<br>0.0<br>27.4<br>0.0<br>0.0<br>1.6<br>114.6             | 0.0<br>283.3<br>0.0<br>0.0<br>4.3<br>30.4<br>0.0<br>0.0<br>0.0<br>0.0<br>34.7<br>Importi                             | 0.0 -227.4  19.6 57.2 4.4 -30.4 -27.4 0.0 0.0 1.6 79.9 +ve)/Export(-ve) Energy Exchange   |
| 5<br>6<br>7           | HVDC<br>HVDC<br>765 kV<br>765 kV<br>400 kV<br>220 kV<br>220 kV<br>220 kV           | With SR) BHADRAWATI B/B BAIGARH-PUGALUR SOLAPUR-RAICHUR WARDHA-NIZAMABAD KOLHAPUR-KUDGI KOLHAPUR-KUDGI FONDA-AMBEWADI XELDEM-AMBEWADI IN Region   | 2 2 2 2 1 1 1 TERNATIONAL EX Line 400kV MANGDECHI 1,2x3 i.e. ALIPURDU MANGDECHI HEP  | 984 2868 2868 1161 0 1546 0 0 0 CHANGES Name HU-ALIPURDUAR AR RECEIPT (from 4*189MW)   | 0<br>0<br>1176<br>2522<br>0<br>0<br>0<br>109<br>WR-SR   | 0.0<br>55.9<br>19.6<br>57.2<br>8.7<br>0.0<br>27.4<br>0.0<br>0.0<br>1.6<br>114.6<br>Min (MW) | 0.0<br>283.3<br>0.0<br>0.0<br>4.3<br>30.4<br>0.0<br>0.0<br>0.0<br>0.0<br>34.7<br>Import<br>Avg (MW)                  | 0.0 -227.4  19.6 57.2 4.4 -30.4 27.4 0.0 0.0 1.6 79.9 +ve)/Export(-ve) Energy Exchange (MU)   |
| 5<br>6<br>7           | HVDC<br>HVDC<br>765 kV<br>765 kV<br>400 kV<br>220 kV<br>220 kV<br>220 kV           | With SR) BHADRAWATI B/B BAIGARH-PUGALUR SOLAPUR-RAICHUR WARDHA-NIZAMABAD KOLHAPUR-KUDGI KOLHAPUR-KUDGI FONDA-AMBEWADI XELDEM-AMBEWADI IN Region   | 2 2 2 2 1 1 1 1 TERNATIONAL EX Line 400KV MANGDECHH 1,2&3 i.e. ALIPURDU MANGDECHU HEP 400KV TALA BINAG MALBASE - BINAGG  | 984 2868 2868 11161 0 1546 0 0 0 CHANGES Name HU-ALIPURDUAR AR RECEIPT (from 4*180MW) URI 1,2,4 (& 400kV) RUB, Le, BINAGURI  | 0<br>0<br>1176<br>2522<br>0<br>0<br>0<br>109<br>WR-SR   | 0.0<br>55.9<br>19.6<br>57.2<br>8.7<br>0.0<br>27.4<br>0.0<br>0.0<br>1.6<br>114.6<br>Min (MW) | 0.0<br>283.3<br>0.0<br>0.0<br>4.3<br>30.4<br>0.0<br>0.0<br>0.0<br>0.0<br>34.7<br>Import<br>Avg (MW)                  | 0.0 -227.4  19.6 57.2 4.4 -30.4 27.4 0.0 0.0 1.6 79.9 +ve)/Export(-ve) Energy Exchange (MU)   |
| 5<br>6<br>7           | HVDC<br>HVDC<br>765 kV<br>765 kV<br>400 kV<br>220 kV<br>220 kV<br>220 kV           | With SR) BHADRAWATI B/B RAIGARH-PUGALUR SOLAPUR-RAICHUR WARDHA-NIZAMABAD KOLHAPUR-KUDGI KOLHAPUR-CHIKODI PONDA-AMBEWADI XELDEM-AMBEWADI IN Region ER  | 2 2 2 2 1 1 1 1 TERNATIONAL EX Line 400KV MANGDECHH 1,2&3 i.e. ALIPURDU MANGDECHH HEP 400KV TALA-BINAG MALBASE - BINAGU MALBASE - BINAGU MECERPT (From TAL   | 984 2868 1161 0 1546 0 0 0 CCHANGES Name HU-ALIPURDUAR AR RECEIFT (from 4*180MW) URI 1,2,4 (8*400KV) URI 1,2,4 (8*400KV) RI 1,6,4 (8*400KV) ARD 1,6,4 REP (6*120MW)  | 0<br>0<br>1176<br>2522<br>0<br>0<br>0<br>0<br>WR-SR   | 0.0<br>55.9<br>19.6<br>57.2<br>8.7<br>0.0<br>27.4<br>0.0<br>0.0<br>1.6<br>114.6<br>Min (MW) | 0.0 283.3  0.0 0.0 4.3 30.4 0.0 0.0 0.0 0.0 34.7 Imports Avg (MW)  | 0.0 -227.4  19.6 57.2 4.4 -30.4 27.4 0.0 0.0 1.6 79.9 +ve)/Export(-ve) Energy Exchange (MU) 10.7  |
| 5<br>6<br>7           | HVDC<br>T65 kV<br>765 kV<br>765 kV<br>400 kV<br>220 kV<br>220 kV                   | With SR) BHADRAWATI B/B RAIGARH-PUGALUR SOLAPUR-RAICHUR WARDHA-NIZAMABAD KOLHAPUR-KUDGI KOLHAPUR-KUDGI PONDA-AMBEWADI XELDEM-AMBEWADI IN Region ER  | 2 2 2 2 1 1 1 1 TERNATIONAL EX Line 400KV MANGDECHH 400KV MANGDECHH HEP 400KV TALA BINAG MALBASE - BINAGG RECEIPT (from TAL 220KV CHUKHA-BIR   | 984 2868 2868 11161 0 1546 0 0 0 CHANGES Name HU-ALIPURDUAR AR RECEIPT (from 4*180MW) URI 1,2,4 (& 400kV) URI 1,2,4 (& 400kV) HI 1,6 BINAGURI A HEP (6*170MW) PARA 1 RS2 (& 20kV)  | 0<br>0<br>1176<br>2522<br>0<br>0<br>0<br>109<br>WR-SR   | 0.0<br>55.9<br>19.6<br>57.2<br>8.7<br>0.0<br>27.4<br>0.0<br>0.0<br>1.6<br>114.6<br>Min (MW) | 0.0 283.3  0.0 0.0 0.0 4.3 30.4 0.0 0.0 0.0 0.0 34.7  Import Avg (MW)  447   | 0.0 -227.4  19.6 57.2 4.4 -30.4 27.4 0.0 0.0 1.6 79.9 +ve)/Export(-ve) Energy Exchange (MU) 10.7  |
| 5<br>6<br>7           | HVDC<br>HVDC<br>765 kV<br>765 kV<br>400 kV<br>220 kV<br>220 kV<br>220 kV           | With SR) BHADRAWATI B/B RAIGARH-PUGALUR SOLAPUR-RAICHUR WARDHA-NIZAMABAD KOLHAPUR-KUDGI KOLHAPUR-CHIKODI PONDA-AMBEWADI XELDEM-AMBEWADI IN Region ER  | 2 2 2 2 1 1 1 1 TERNATIONAL EX Line 400kV MANGDECHI 1,2&3 Le. ALIPURDU MANGDECHI HEP 400kV TALA BINAG MALBASE - BINAGG RECEIPT (From TAL 220kV CHUKHA-BIR MALBASE - BIRPAR MALBASE - BIRPAR  | 984 2868 1161 0 1546 0 0 0 CHANGES Name AR RECEIPT (from 4*180MW) URI 1,2,4 (& 400kV   RI) i.e. BINAGURI A HEP (6*170MW) PARA I & 2 (& 220kV   A) i.e. BIRPARA   | 0<br>0<br>1176<br>2522<br>0<br>0<br>0<br>0<br>WR-SR   | 0.0<br>55.9<br>19.6<br>57.2<br>8.7<br>0.0<br>27.4<br>0.0<br>0.0<br>1.6<br>114.6<br>Min (MW) | 0.0 283.3  0.0 0.0 4.3 30.4 0.0 0.0 0.0 0.0 34.7 Imports Avg (MW)  | 0.0 -227.4  19.6 57.2 4.4 -30.4 27.4 0.0 0.0 1.6 79.9 +ve)/Export(-ve) Energy Exchange (MU) 10.7  |
| 5<br>6<br>7           | HVDC<br>T65 kV<br>765 kV<br>765 kV<br>400 kV<br>220 kV<br>220 kV                   | With SR) BHADRAWATI B/B RAIGARH-PUGALUR SOLAPUR-RAICHUR WARDHA-NIZAMABAD KOLHAPUR-KUDGI KOLHAPUR-CHIKODI PONDA-AMBEWADI XELDEM-AMBEWADI IN Region ER ER ER  | 2 2 2 2 1 1 1 1 TERNATIONAL EX Line 400kV MANGDECHI 1,2&3 i.e. ALIPURDU MANGDECHI HEP 400kV TALA BINAG MALBASE - BINAGG MALBASE - BINAGG MALBASE - BIRPAR MALBASE - BIRPAR RECEIPT (from TAL   | 984 2868 1161 0 1546 0 0 1546 0 0 CCHANGES Name Hu-ALIPURDUAR AR RECEIPT (from 4*180MW) URI 1,2,4 (8*400KV) URI 1,6, 18 BINAGURI A HEP (6*170MW) PARA 1,82 (8*220KV) A HEP (6*170MW) A HEP (6* | 0<br>0<br>1176<br>2522<br>0<br>0<br>0<br>109<br>WR-SR<br>Max (MW)<br>513  | 0.0 55.9  19.6 57.2 8.7 0.0 27.4 0.0 0.0 1.6 114.6  Min (MW)  658                           | 0.0 283.3  0.0 0.0 4.3 30.4 0.0 0.0 0.0 0.0 34.7  Import( Avg (MW)  447  | 0.0 -227.4  19.6 57.2 4.4 -30.4 27.4 0.0 0.0 1.6 79.9 +ve)/Export(-ve) Energy Exchange (MU) 10.7  |
| 5<br>6<br>7           | HVDC<br>T65 kV<br>765 kV<br>765 kV<br>400 kV<br>220 kV<br>220 kV                   | With SR) BHADRAWATI B/B RAIGARH-PUGALUR SOLAPUR-RAICHUR WARDHA-NIZAMABAD KOLHAPUR-KUDGI KOLHAPUR-KUDGI PONDA-AMBEWADI XELDEM-AMBEWADI IN Region ER  | 2 2 2 2 1 1 1 1 TERNATIONAL EX Line 400kV MANGDECHI 1,2&3 Le. ALIPURDU MANGDECHI HEP 400kV TALA BINAG MALBASE - BINAGG RECEIPT (From TAL 220kV CHUKHA-BIR MALBASE - BIRPAR MALBASE - BIRPAR  | 984 2868 1161 0 1546 0 0 1546 0 0 CCHANGES Name Hu-ALIPURDUAR AR RECEIPT (from 4*180MW) URI 1,2,4 (8*400KV) URI 1,6, 18 BINAGURI A HEP (6*170MW) PARA 1,82 (8*220KV) A HEP (6*170MW) A HEP (6* | 0<br>0<br>1176<br>2522<br>0<br>0<br>0<br>109<br>WR-SR   | 0.0<br>55.9<br>19.6<br>57.2<br>8.7<br>0.0<br>27.4<br>0.0<br>0.0<br>1.6<br>114.6<br>Min (MW) | 0.0 283.3  0.0 0.0 0.0 4.3 30.4 0.0 0.0 0.0 0.0 34.7  Import Avg (MW)  447   | 0.0 -227.4  19.6 57.2 4.4 -30.4 27.4 0.0 0.0 1.6 79.9 +ve)/Export(-ve) Energy Exchange (MU) 10.7  |
| 5<br>6<br>7           | HVDC<br>T65 kV<br>765 kV<br>765 kV<br>400 kV<br>220 kV<br>220 kV                   | With SR) BHADRAWATI B/B RAIGARH-PUGALUR SOLAPUR-RAICHUR WARDHA-NIZAMABAD KOLHAPUR-KUDGI KOLHAPUR-CHIKODI PONDA-AMBEWADI XELDEM-AMBEWADI IN Region ER ER ER  | 2 2 2 2 1 1 1 1 TERNATIONAL EX Line 400KV MANGDECHH HEP 400KV MALABNAG MALBASE - BINAGU RECEIPT (from TAL 20kV CHUHA-BIR MALBASE - BIRPAR  | 984 2868 2868 1161 0 1546 0 0 0 0 0 CCHANGES Name HU-ALIPURDUAR AR RECEIPT (from 4*180MW) URI 1,2,4 (& 400kV rg) in AILPURD (A 10 kg) i | 0<br>0<br>1176<br>2522<br>0<br>0<br>0<br>109<br>WR-SR<br>Max (MW)<br>513  | 0.0 55.9  19.6 57.2 8.7 0.0 27.4 0.0 0.0 1.6 114.6  Min (MW)  658                           | 0.0 283.3  0.0 0.0 0.0 4.3 30.4 0.0 0.0 0.0 0.0 34.7  Importi Avg (MW)  447  672                                     | 0.0 -227.4  19.6 57.2 4.4 -30.4 27.4 0.0 0.0 1.6 79.9 +ve)/Export(-ve) Energy Exchange (MU) 10.7  |
| 5<br>6<br>7           | HVDC<br>T65 kV<br>765 kV<br>765 kV<br>400 kV<br>220 kV<br>220 kV                   | With SR) BHADRAWATI B/B RAIGARH-PUGALUR SOLAPUR-RAICHUR WARDHA-NIZAMABAD KOLHAPUR-KUDGI KOLHAPUR-CHIKODI PONDA-AMBEWADI XELDEM-AMBEWADI IN Region ER ER ER  | 2 2 2 2 1 1 1 1 TERNATIONAL EX Line 400kV MANGDECHI 1,2&3 i.e. ALIPURDU MANGDECHI HEP 400kV TALA BINAG MALBASE - BINAGG MALBASE - BINAGG MALBASE - BIRPAR MALBASE - BIRPAR RECEIPT (from TAL   | 984 2868 2868 1161 0 1546 0 0 0 0 0 CCHANGES Name HU-ALIPURDUAR AR RECEIPT (from 4*180MW) URI 1,2,4 (& 400kV rg) in AILPURD (A 10 kg) i | 0<br>0<br>1176<br>2522<br>0<br>0<br>0<br>109<br>WR-SR<br>Max (MW)<br>513  | 0.0 55.9  19.6 57.2 8.7 0.0 27.4 0.0 0.0 1.6 114.6  Min (MW)  658                           | 0.0 283.3  0.0 0.0 4.3 30.4 0.0 0.0 0.0 0.0 34.7  Import( Avg (MW)  447  | 0.0 -227.4  19.6 57.2 4.4 -30.4 27.4 0.0 0.0 1.6 79.9 +ve)/Export(-ve) Energy Exchange (MU) 10.7  |
| 5<br>6<br>7           | HVDC<br>T65 kV<br>765 kV<br>765 kV<br>400 kV<br>220 kV<br>220 kV                   | With SR) BHADRAWATI B/B RAIGARH-PUGALUR SOLAPUR RAICHUR WARDHA-NIZAMABAD KOLHAPUR-KUDGI KOLHAPUR-KUDGI PONDA-AMBEWADI XELDEM-AMBEWADI IN Region ER ER ER ER   | 2 2 2 2 1 1 1 1 IERNATIONAL EX Line 4008V MANGDECHH 1,283 i.e. ALIPURDU MANGDECHU HEP 4008V TALA-BIVAG MALBASE - BINAGG MALBASE - BINAGG MALBASE - BINAGG MALBASE - BIRPAR RECEIPT (from TAL 132kV GELEPHU-SA 132kV MOTANGA-R  | 984 2868 2868 1161 0 1546 0 0 0 CCHANGES Name RU-ALIPURDUAR AR RECEIPT (from 4*180MW) URI 1,2,4 (8.400RV URI 1,2,6 (8.400RV URI 1,2,4 (8.400RV AFP, 6*190MW) PARA 1,2 (8.20RV A) 1,6. BURPAG KHA HEP 4*84MW) LAKATI ANGIA  | 0<br>0<br>1176<br>2522<br>0<br>0<br>0<br>109<br>WR-SR<br>Max (MW)<br>513  | 0.0 55.9 19.6 57.2 8.7 0.0 27.4 0.0 1.6 114.6 Min (MW)  658                                 | 0.0 283.3  0.0 0.0 0.0 4.3 30.4 0.0 0.0 0.0 0.0 34.7  Importi Avg (MW)  447  672                                     | 0.0 -227.4  19.6 -57.2 -4.4 -30.4 -27.4 -0.0 -0.0 -1.6 -79.9 -+ve)/Export(-ve) Energy Exchange (MU)                                       |
| 5<br>6<br>7           | HVDC<br>T65 kV<br>765 kV<br>765 kV<br>400 kV<br>220 kV<br>220 kV                   | With SR) BHADRAWATI B/B RAIGARH-PUGALUR SOLAPUR-RAICHUR WARDHA-NIZAMABAD KOLHAPUR-KUDGI KOLHAPUR-KUDGI KOLHAPUR-CHIKODI PONDA-AMBEWADI  IN Region ER ER ER ER NER   | 2 2 2 2 2 1 1 ITERNATIONAL EX Line 400KV MANGDECHI 1,2&3.ie. ALIPURDU MANGDECHI HEP 400KV TALA-BINAG MALBASE BINAGI BECERPT (from TAL 200KV CHUKHA-BIR ARECERPT (from CHU 132kV GELEPHU-SA 132kV MOTANGA-R 132kV MOTANGA-R   | 984 2868 2868 1161 0 1546 0 0 0 CCHANGES Name RU-ALIPURDUAR AR RECEIPT (from 4*180MW) URI 1,2,4 (8.400RV URI 1,2,6 (8.400RV URI 1,2,4 (8.400RV AFP, 6*190MW) PARA 1,2 (8.20RV A) 1,6. BURPAG KHA HEP 4*84MW) LAKATI ANGIA  | 0<br>0<br>1176<br>2522<br>0<br>0<br>0<br>109<br>WR-SR<br>Max (MW)<br>513<br>920   | 0.0 55.9 19.6 57.2 8.7 0.0 27.4 0.0 0.0 1.6 114.6  Min (MW)  0 658                          | 0.0 283.3  0.0 0.0 0.0 4.3 30.4 0.0 0.0 0.0 0.0 34.7  Importi Avg (MW)  447  672                                     | 0.0 -227.4 -19.6 -57.2 -4.4 -30.4 -27.4 -0.0 -0.0 -1.6 -79.9 -eve)/Export(-ve) -energy Exchange (MU)                                      |
| 5<br>6<br>7           | HVDC<br>T65 kV<br>765 kV<br>765 kV<br>400 kV<br>220 kV<br>220 kV                   | With SR) BHADRAWATI B/B RAIGARH-PUGALUR SOLAPUR RAICHUR WARDHA-NIZAMABAD KOLHAPUR-KUDGI KOLHAPUR-KUDGI PONDA-AMBEWADI XELDEM-AMBEWADI IN Region ER ER ER ER   | 2 2 2 2 1 1 1 1 IERNATIONAL EX Line 4008V MANGDECHH 1,283 i.e. ALIPURDU MANGDECHU HEP 4008V TALA-BIVAG MALBASE - BINAGG MALBASE - BINAGG MALBASE - BINAGG MALBASE - BIRPAR RECEIPT (from TAL 132kV GELEPHU-SA 132kV MOTANGA-R  | 984 2868 2868 1161 0 1546 0 0 0 CCHANGES Name RU-ALIPURDUAR AR RECEIPT (from 4*180MW) URI 1,2,4 (8.400RV URI 1,2,6 (8.400RV URI 1,2,4 (8.400RV AFP, 6*190MW) PARA 1,2 (8.20RV A) 1,6. BURPAG KHA HEP 4*84MW) LAKATI ANGIA  | 0<br>0<br>1176<br>2522<br>0<br>0<br>0<br>109<br>WR-SR<br>Max (MW)<br>513  | 0.0 55.9 19.6 57.2 8.7 0.0 27.4 0.0 1.6 114.6 Min (MW)  658                                 | 0.0 283.3  0.0 0.0 0.0 4.3 30.4 0.0 0.0 0.0 34.7  Import  Avg (MW)  447  672  84                                     | 0.0 -227.4  19.6 57.2 4.4 -30.4 27.4 0.0 0.0 1.6 79.9 +ve)/Export(-ve) Energy Exchange (MU) 10.7  16.1                                    |
| 5<br>6<br>7           | HVDC<br>HVDC<br>765 kV<br>765 kV<br>220 kV<br>220 kV<br>220 kV                     | With SR) BHADRAWATI B/B RAIGARH-PUGALUR SOLAPUR-RAICHUR WARDHA-NIZAMABAD KOLHAPUR-KUDGI KOLHAPUR-KUDGI KOLHAPUR-CHIKODI PONDA-AMBEWADI  IN Region ER ER ER NER  | 2 2 2 2 1 1 1 1 IERNATIONAL EX Line 4008V MANGDECHH 1,283 i.e. Alpurnu MANGDECHH HEP 4008V TALA-BINAG MALBASE - BINAGG MALBAS | 984 2868 2868 1161 0 1546 0 0 0 0 0 CHANGES Name HU-ALIPURDUAR AR RECEIPT (from 4*180MW) URI 1,2,4 (8 400kV URI 1,6,4 800kV API (b. BINAGURI AHEP (6*170MW) PARA 182 (8 220kV A) (b. BIRPARA KHA HEP 4*84MW) LAKATI ANGIA  | 0<br>0<br>1176<br>2522<br>0<br>0<br>0<br>109<br>WR-SR<br>Max (MW)<br>513<br>920<br>107                                  | 0.0 55.9 19.6 57.2 8.7 0.0 27.4 0.0 0.0 1.6 114.6  Min (MW)   658   4  17                   | 0.0 283.3  0.0 0.0 0.0 4.3 30.4 0.0 0.0 0.0 0.0 34.7  Import Avg (MW)  447  672  84  9  33                           | 0.0 -227.4  19.6 -57.2 -4.4 -30.4 -27.4 -0.0 -0.0 -1.6 -79.9 +ve)/Export(-ve) Energy Exchange (MU)  |
| 5<br>6<br>7           | HVDC<br>T65 kV<br>765 kV<br>765 kV<br>400 kV<br>220 kV<br>220 kV                   | With SR) BHADRAWATI B/B RAIGARH-PUGALUR SOLAPUR-RAICHUR WARDHA-NIZAMABAD KOLHAPUR-KUDGI KOLHAPUR-KUDGI KOLHAPUR-CHIKODI PONDA-AMBEWADI  IN Region ER ER ER ER NER   | 2 2 2 2 2 1 1 ITERNATIONAL EX Line 400KV MANGDECHI 1,2&3.ie. ALIPURDU MANGDECHI HEP 400KV TALA-BINAG MALBASE BINAGI BECERPT (from TAL 200KV CHUKHA-BIR ARECERPT (from CHU 132kV GELEPHU-SA 132kV MOTANGA-R 132kV MOTANGA-R   | 984 2868 2868 1161 0 1546 0 0 0 0 0 CHANGES Name HU-ALIPURDUAR AR RECEIPT (from 4*180MW) URI 1,2,4 (8 400kV URI 1,6,4 800kV API (b. BINAGURI AHEP (6*170MW) PARA 182 (8 220kV A) (b. BIRPARA KHA HEP 4*84MW) LAKATI ANGIA  | 0<br>0<br>1176<br>2522<br>0<br>0<br>0<br>109<br>WR-SR<br>Max (MW)<br>513<br>920   | 0.0 55.9 19.6 57.2 8.7 0.0 27.4 0.0 0.0 1.6 114.6  Min (MW)  0 658                          | 0.0 283.3  0.0 0.0 0.0 4.3 30.4 0.0 0.0 0.0 34.7  Import  Avg (MW)  447  672  84                                     | 0.0 -227.4 -227.4 -19.6 -57.2 -4.4 -30.4 -27.4 -0.0 -0.0 -1.6 -79.9 -ve)/Export(-ve) Energy Exchange (MU)                                 |
| 5<br>6<br>7           | HVDC<br>HVDC<br>765 kV<br>765 kV<br>220 kV<br>220 kV<br>220 kV                     | With SR) BHADRAWATI B/B RAIGARH-PUGALUR SOLAPUR-RAICHUR WARDHA-NIZAMABAD KOLHAPUR-KUDGI KOLHAPUR-KUDGI KOLHAPUR-CHIKODI PONDA-AMBEWADI  IN Region ER ER ER NER  | 2 2 2 2 2 1 1 1 TERNATIONAL EX Line 400kV MANGDECHI 1,2&3 Le. ALIPURDU MANGDECHI HEP 400kV TALA.BINAG MALBASE - BINAGG MALBAS | 984  2868  1161  0  1546  0  0  0  CHANGES  Name  HU-ALIPURDUAR  AR RECEIPT (from 4*180MW)  URI 1,2,4 (8 400KV (RI) i.e. BINAGURI ARE (6 220KV ARE) (7 220KV | 0<br>0<br>1176<br>2522<br>0<br>0<br>0<br>109<br>WR-SR<br>Max (MW)<br>513<br>920<br>107                                  | 0.0 55.9 19.6 57.2 8.7 0.0 27.4 0.0 0.0 1.6 114.6  Min (MW)   658   4  17                   | 0.0 283.3  0.0 0.0 0.0 4.3 30.4 0.0 0.0 0.0 0.0 34.7  Import Avg (MW)  447  672  84  9  33  -59                      | 0.0 -227.4  19.6 -57.2 -4.4 -30.4 -27.4 -0.0 -0.0 -1.6 -79.9 -+ve)/Export(-ve) Energy Exchange (MU)                                       |
| 5<br>6<br>7           | HVDC<br>HVDC<br>765 kV<br>765 kV<br>220 kV<br>220 kV<br>220 kV                     | With SR) BHADRAWATI B/B RAIGARH-PUGALUR SOLAPUR-RAICHUR WARDHA-NIZAMABAD KOLHAPUR-KUDGI KOLHAPUR-KUDGI KOLHAPUR-CHIKODI PONDA-AMBEWADI  IN Region ER ER ER NER  | 2 2 2 2 2 1 1 1 TERNATIONAL EX Line 400kV MANGDECHI 1,2&3 Le. ALIPURDU MANGDECHI HEP 400kV TALA.BINAG MALBASE - BINAGG MALBAS | 984 2868 2868 1161 0 1546 0 0 0 0 0 CHANGES Name HU-ALIPURDUAR AR RECEIPT (from 4*180MW) URI 1,2,4 (8 400kV URI 1,6,4 800kV API (b. BINAGURI AHEP (6*170MW) PARA 182 (8 220kV A) (b. BIRPARA KHA HEP 4*84MW) LAKATI ANGIA  | 0<br>0<br>1176<br>2522<br>0<br>0<br>0<br>109<br>WR-SR<br>Max (MW)<br>513<br>920<br>107                                  | 0.0 55.9 19.6 57.2 8.7 0.0 27.4 0.0 0.0 1.6 114.6  Min (MW)   658   4  17                   | 0.0 283.3  0.0 0.0 0.0 4.3 30.4 0.0 0.0 0.0 0.0 34.7  Import Avg (MW)  447  672  84  9  33                           | 0.0 -227.4  19.6 -57.2 -4.4 -30.4 -27.4 -0.0 -0.0 -1.6 -79.9 +ve)/Export(-ve) Energy Exchange (MU)  |
| 5<br>6<br>7           | HVDC<br>HVDC<br>765 kV<br>765 kV<br>220 kV<br>220 kV<br>220 kV                     | With SR) BHADRAWATI B/B BRADRAWATI B/B RAIGARH-PUGALUR SOLAPUR-RAICHUR WARDHA-NIZAMABAD KOLHAPUR-KUDGI KOLHAPUR-KUDGI FONDA-AMBEWADI XELDEM-AMBEWADI IN Region ER ER ER NER NER NER   | 2 2 2 2 2 1 1 1 TERNATIONAL EX Line 400kV MANGDECHI 1,2&3 Le. ALIPURDU MANGDECHI HEP 400kV TALA.BINAG MALBASE - BINAGG MALBAS | 984  2868  1161  0  1546  0  0  0  CHANGES  Name  HU-ALIPURDUAR  AR RECEIPT (from 4*180MW)  URI 1,2,4 (8 400KV (RI) i.e. BINAGURI ARE (6 220KV ARE) (7 220KV | 0<br>0<br>1176<br>2522<br>0<br>0<br>0<br>109<br>WR-SR<br>Max (MW)<br>513<br>920<br>107<br>14                            | 0.0 55.9  19.6 57.2 8.7 0.0 27.4 0.0 1.6 114.6  Min (MW)  0 658  0 4 17                     | 0.0 283.3  0.0 0.0 0.0 4.3 30.4 0.0 0.0 0.0 0.0 34.7  Import Avg (MW)  447  672  84  9  33  -59                      | 0.0 -227.4 -19.6 -57.2 -4.4 -30.4 -27.4 -0.0 -0.0 -1.6 -79.9 -tve)/Export(-ve)  |
| 5<br>6<br>7           | HVDC<br>HVDC<br>765 kV<br>765 kV<br>220 kV<br>220 kV<br>220 kV                     | With SR) BHADRAWATI B/B BRADRAWATI B/B RAIGARH-PUGALUR SOLAPUR-RAICHUR WARDHA-NIZAMABAD KOLHAPUR-KUDGI KOLHAPUR-KUDGI FONDA-AMBEWADI XELDEM-AMBEWADI IN Region ER ER ER NER NER NER   | 2 2 2 2 2 1 1 ITERNATIONAL EX 2 2 1 1 ITERNATIONAL EX Line 400KV MANGBECHI 1,283 i.e. ALIPURDU MANGBECHI HEP 400KV TALA-BINAG RECEIPT (from TAL 220KV CHUKHA-BIR MALBASE - BINAGR MALBASE - BINAG | 984  2868  1161  0  1546  0  0  0  CHANGES  Name  HU-ALIPURDUAR  AR RECEIPT (from 4*180MW)  URI 1,2,4 (8 400KV (RI) i.e. BINAGURI ARE (6 220KV ARE) (7 220KV | 0<br>0<br>1176<br>2522<br>0<br>0<br>0<br>109<br>WR-SR<br>Max (MW)<br>513<br>920<br>107<br>14                            | 0.0 55.9  19.6 57.2 8.7 0.0 27.4 0.0 1.6 114.6  Min (MW)  0 658  0 4 17                     | 0.0 283.3  0.0 0.0 0.0 4.3 30.4 0.0 0.0 0.0 0.0 34.7  Import Avg (MW)  447  672  84  9  33  -59                      | 0.0 -227.4 -19.6 -57.2 -4.4 -30.4 -27.4 -0.0 -0.0 -1.6 -79.9 -tve)/Export(-ve)  |
| 5<br>6<br>7           | HVDC<br>HVDC<br>765 kV<br>765 kV<br>220 kV<br>220 kV<br>220 kV                     | With SR) BHADRAWATI B/B RAIGARH-PUGALUR SOLAPUR-RAICHUR WARDHA-NIZAMABAD KOLHAPUR-KUDGI KOLHAPUR-KUDGI KOLHAPUR-CHIKODI PONDA-AMBEWADI  IN Region ER ER  ER  NER  NER  NER  NER  NER  ER                                    | 2 2 2 2 2 1 1 ITERNATIONAL EX 2 2 1 1 ITERNATIONAL EX Line 400KV MANGBECHI 1,283 i.e. ALIPURDU MANGBECHI HEP 400KV TALA-BINAG RECEIPT (from TAL 220KV CHUKHA-BIR MALBASE - BINAGR MALBASE - BINAG | 984 2868 2868 1161 0 1546 0 0 0 0 CCHANGES Name RU-ALIPURDUAR AR RECEIPT (from 4°180MW) URI 12.4 (8.400RV URI 12.4 (8.400RV URI 12.4 (8.400RV AHP) (6°170MW) PARA 182 (8.20RV A) 16. BIRRAGURI ANGIA A | 0<br>0<br>1176<br>2522<br>0<br>0<br>0<br>109<br>WR-SR<br>Max (MW)<br>513<br>920<br>107<br>14<br>47<br>-76               | 0.0 55.9 19.6 57.2 8.7 0.0 27.4 0.0 0.0 1.6 114.6  Min (MW)  658  0 4 17                    | 0.0 283.3  0.0 0.0 0.0 4.3 30.4 0.0 0.0 0.0 0.0 34.7  Import Avg (MW)  447  672  84  9  -11 300                      | 0.0 -227.4  19.6 -57.2 -4.4 -30.4 -27.4 -0.0 -0.0 -1.6 -79.9 +ve)/Export(-ve) Energy Exchange (MU)  10.7  16.1  2.0  0.2  0.8  -1.4  -0.3 |
| 4<br>5<br>6<br>7<br>8 | HVDC<br>HVDC<br>765 kV<br>765 kV<br>765 kV<br>220 kV<br>220 kV<br>220 kV<br>220 kV | With SR) BHADRAWATI B/B BRADRAWATI B/B RAIGAREH-PUGALUR SOLAPUR-RAICHUR WARDHA-NIZAMABAD KOLHAPUR-KUDGI KOLHAPUR-KUDGI KOLHAPUR-CHIKODI PONDA-AMBEWADI XELDEM-AMBEWADI  IN Region ER ER ER NER NER NER NER NER NER ER ER ER | 2 2 2 2 2 1 1 ITERNATIONAL EX Line 400kV MANGDECHI 1,2x3-1e. ALIPURDU MANGDECHI HEP 400kV TALA-BINAG MALBASE - BINAGI BECEIPT (from TAL 250kV CHUKILA-BIR MALBASE - BIRPAB RECEIPT (from CHU 132kV GELEPHU-SA 132kV MOTANGA-R 132kV MOTANGA-R 132kV MAHENDRAN TANAKPUR(NHPC) NEPAL IMPORT (FR 400kV DHALKEBAR BHERAMARA B/B H 132kV COMILLA-SU   | 984 2868 1161 0 1546 0 0 0 1546 0 0 0 CCHANGES Name HU-ALIPURDUAR AR RECEIPT (from 4*180MW) URI 1;2,4 (8*400kV URI 1;2,4 (8*400kV URI 1;2,4 (8*400kV 1RI 1;2,4 (8*400 | 0<br>0<br>1176<br>2522<br>0<br>0<br>0<br>109<br>WR-SR<br>Max (MW)<br>513<br>920<br>107<br>14<br>47<br>-76<br>-20<br>394 | 0.0 55.9 19.6 57.2 8.7 0.0 27.4 0.0 1.6 114.6  Min (MW)  658  0 4 17  0 -5 209              | 0.0 283.3  0.0 0.0 0.0 4.3 30.4 0.0 0.0 0.0 0.0 0.0 34.7  Import  Avg (MW)  447  672  84  9  33  -59  -11  300  -503 | 0.0 -227.4  19.6 57.2 4.4 -30.4 27.4 0.0 0.0 1.6 79.9 +ve)/Export(-ve) Energy Exchange (MU) 10.7  16.1  2.0  0.8  -1.4  -0.3  7.2         |
| 4<br>5<br>6<br>7<br>8 | HVDC<br>HVDC<br>765 kV<br>765 kV<br>220 kV<br>220 kV<br>220 kV                     | With SR) BHADRAWATI B/B RAIGARH-PUGALUR SOLAPUR-RAICHUR WARDHA-NIZAMABAD KOLHAPUR-KUDGI KOLHAPUR-KUDGI KOLHAPUR-CHIKODI PONDA-AMBEWADI  IN Region ER ER  ER  NER  NER  NER  NER  NER  ER                                    | 2 2 2 2 1 1 1 1 TERNATIONAL EX Line 400kV MANGDECHI 1,2&3 Le. ALIPURDU MANGDECHI HEP 400kV TALA BINAG MALBASE - BINAGG MALBASE - BINAGG MALBASE - BIRPAR RECEIPT (from TAL 220kV CHUKHA-BIR RECEIPT (from TAL 132kV MOTANGA-R 132kV MOTANGA-R 132kV MAHENDRAN TANAKPUR(NHPC) NEPAL IMPORT (FR 400kV DHALKEBAR BHERAMARA B/B H  | 984 2868 1161 0 1546 0 0 0 1546 0 0 0 CCHANGES Name HU-ALIPURDUAR AR RECEIPT (from 4*180MW) URI 1;2,4 (8*400kV URI 1;2,4 (8*400kV URI 1;2,4 (8*400kV 1RI 1;2,4 (8*400 | 0<br>0<br>1176<br>2522<br>0<br>0<br>0<br>109<br>WR-SR<br>Max (MW)<br>513<br>920<br>107<br>14<br>47<br>-76               | 0.0 55.9 19.6 57.2 8.7 0.0 27.4 0.0 0.0 1.6 114.6  Min (MW)  658  0 4 17                    | 0.0 283.3  0.0 0.0 0.0 4.3 30.4 0.0 0.0 0.0 0.0 34.7  Import Avg (MW)  447  672  84  9  -11 300                      | 0.0 -227.4  19.6 -57.2 -4.4 -30.4 -27.4 -0.0 -0.0 -1.6 -79.9 -+ve)/Export(-ve) Energy Exchange (MU)                                       |