



National Load Despatch Centre

राष्ट्रीय भार प्रेषण केंद्र

GRID CONTROLLER OF INDIA LIMITED

ग्रीड कंट्रोलर ऑफ इंडिया लिमिटेड

(Government of India Enterprise/ भारत सरकार का उद्यम)

B-9, QUTUB INSTITUTIONAL AREA, KATWARIA SARAI, NEW DELHI -110016

बी-9, कुतुब इन्स्टीट्यूशनल एरिया, कटवारिया सराये, न्यू दिल्ली-110016

Ref: POSOCO/NLDC/SO/Daily PSP Report

दिनांक: 03<sup>rd</sup> May 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
- 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
- कार्यकारी निदेशक, ऊ.पू.क्षे.भा.प्रे.के., डोंगतिह, लोअर नोंग्रह, लापलंग, शिलोंग - 793006  
Executive Director, NERLDC, Dongteih, Lower Nongrah, Lapalang, Shillong - 793006, Meghalaya
- 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 02.05.2023.**

महोदय/Dear Sir,

आईईजीसी-2010 की धारा स.-5.5.1 केपर वध न केअन र, दिन ांक 02-मई -2023 की अखिल भ रतीय परण ली की दैनिक ग्रीड निष्प दन रिपोर्ट र ंभ ंप्रे ंक्के की वेब इट पर उपलब्ध 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 02<sup>nd</sup> May 2023, is available at the NLDC website.

धन्यवाद,

Report for previous day

Date of Reporting: 03-May-2023

A. Power Supply Position at All India and Regional level

|   | NR     | WR    | SR    | ER    | NER   | TOTAL  |
|---|--------|-------|-------|-------|-------|--------|
| Demand Met during Evening Peak hrs(MW) (at 20:00 hrs; from RLDCs) | 46199  | 53187 | 44384 | 22647 | 2571  | 168988 |
| Peak Shortage (MW)  | 0      | 0     | 0     | 231   | 66    | 297    |
| Energy Met (MU)   | 991    | 1236  | 959   | 472   | 50    | 3707   |
| Hydro Gen (MU)  | 194    | 17    | 67    | 58    | 15    | 350    |
| Wind Gen (MU)   | 8      | 63    | 29    | -     | -     | 99     |
| Solar Gen (MU)*   | 129.04 | 56.51 | 96.83 | 5.18  | 1.20  | 289    |
| Energy Shortage (MU)  | 1.47   | 0.00  | 0.00  | 0.76  | 1.49  | 3.72   |
| Maximum Demand Met During the Day (MW) (From NLDC SCADA)          | 48236  | 56712 | 45503 | 22958 | 2597  | 173208 |
| Time Of Maximum Demand Met  | 19:36  | 11:50 | 12:32 | 20:30 | 19:46 | 19:32  |

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 | 0.057 | 0.00   | 0.31        | 8.99        | 9.30   | 65.56        | 25.14   |

C. Power Supply Position in States

| Region           | States               | Max.Demand Met during the day (MW) | Shortage during maximum Demand (MW) | Energy Met (MU) | Drawal Schedule (MU) | OD(+)/UD(-) (MU) | Max OD (MW) | Energy Shortage (MU) |
|------------------|----------------------|------------------------------------|-------------------------------------|-----------------|----------------------|------------------|-------------|----------------------|
| NR               | Punjab               | 6350                               | 0                                   | 139.1           | 72.6                 | -2.5             | 116         | 0.00                 |
|                  | Haryana              | 6214                               | 0                                   | 130.4           | 93.3                 | -0.8             | 272         | 0.00                 |
|                  | Rajasthan            | 11374                              | 0                                   | 217.5           | 69.4                 | -4.0             | 362         | 0.00                 |
|                  | Delhi                | 3682                               | 0                                   | 74.5            | 67.4                 | -3.0             | 1           | 0.00                 |
|                  | UP                   | 17285                              | 220                                 | 300.2           | 119.6                | 1.3              | 540         | 1.19                 |
|                  | Uttarakhand          | 1768                               | 0                                   | 36.7            | 18.0                 | 0.0              | 219         | 0.00                 |
|                  | HP                   | 1582                               | 0                                   | 29.2            | 10.8                 | 0.0              | 68          | 0.00                 |
|                  | J&K(UT) & Ladakh(UT) | 2725                               | 0                                   | 56.1            | 42.3                 | -0.7             | 217         | 0.28                 |
|                  | Chandigarh           | 186                                | 0                                   | 3.7             | 4.0                  | -0.3             | 27          | 0.00                 |
| Railways_NR ISTS | 179                  | 0                                  | 3.8                                 | 3.2             | 0.6                  | 38               | 0.00        |                      |
| WR               | Chhattisgarh         | 4074                               | 0                                   | 87.2            | 31.9                 | -2.4             | 180         | 0.00                 |
|                  | Gujarat              | 17915                              | 0                                   | 391.1           | 196.0                | -0.6             | 726         | 0.00                 |
|                  | MP                   | 8418                               | 0                                   | 176.1           | 90.0                 | -2.3             | 396         | 0.00                 |
|                  | Maharashtra          | 23867                              | 0                                   | 510.8           | 214.0                | 1.0              | 1320        | 0.00                 |
|                  | Goa                  | 709                                | 0                                   | 14.8            | 14.6                 | -0.4             | 39          | 0.00                 |
|                  | DNHDDPDCL            | 1205                               | 0                                   | 26.8            | 27.1                 | -0.3             | 60          | 0.00                 |
|                  | AMNSIL               | 772                                | 0                                   | 16.6            | 10.8                 | -0.2             | 257         | 0.00                 |
|                  | BALCO                | 514                                | 0                                   | 12.3            | 12.4                 | -0.1             | 2           | 0.00                 |
| SR               | Andhra Pradesh       | 8546                               | 0                                   | 183.1           | 53.7                 | 0.5              | 525         | 0.00                 |
|                  | Telangana            | 7172                               | 0                                   | 152.8           | 41.6                 | -0.8             | 537         | 0.00                 |
|                  | Karnataka            | 12117                              | 0                                   | 230.3           | 90.8                 | 1.0              | 866         | 0.00                 |
|                  | Kerala               | 4187                               | 0                                   | 85.4            | 67.5                 | -0.3             | 176         | 0.00                 |
|                  | Tamil Nadu           | 14632                              | 0                                   | 299.0           | 188.5                | -4.3             | 362         | 0.00                 |
|                  | Puducherry           | 402                                | 0                                   | 8.5             | 8.8                  | -1.0             | 26          | 0.00                 |
| ER               | Bihar                | 5343                               | 231                                 | 97.7            | 89.0                 | -0.9             | 393         | 0.65                 |
|                  | DVC                  | 3458                               | 0                                   | 72.5            | -35.0                | 0.2              | 365         | 0.00                 |
|                  | Jharkhand            | 1572                               | 0                                   | 31.1            | 25.4                 | -2.9             | 158         | 0.11                 |
|                  | Odisha               | 5431                               | 0                                   | 108.6           | 35.5                 | -1.8             | 382         | 0.00                 |
|                  | West Bengal          | 7897                               | 0                                   | 160.2           | 29.8                 | -3.5             | 120         | 0.00                 |
|                  | Sikkim               | 104                                | 0                                   | 1.5             | 1.6                  | 0.0              | 57          | 0.00                 |
|                  | Railways_ER ISTS     | 14                                 | 0                                   | 0.1             | 0.0                  | 0.1              | 14          | 0.00                 |
| NER              | Arunachal Pradesh    | 144                                | 0                                   | 2.4             | 2.8                  | -0.5             | 20          | 0.00                 |
|                  | Assam                | 1495                               | 0                                   | 29.0            | 22.6                 | -0.8             | 151         | 0.00                 |
|                  | Manipur              | 193                                | 0                                   | 2.7             | 2.8                  | -0.1             | 54          | 0.00                 |
|                  | Meghalaya            | 322                                | 66                                  | 5.5             | 4.0                  | 0.1              | 45          | 1.49                 |
|                  | Mizoram              | 117                                | 0                                   | 1.8             | 1.8                  | -0.3             | 9           | 0.00                 |
|                  | Nagaland             | 145                                | 0                                   | 2.4             | 2.4                  | -0.1             | 18          | 0.00                 |
|                  | Tripura              | 321                                | 0                                   | 5.8             | 5.3                  | 0.6              | 51          | 0.00                 |

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

|               | Bhutan | Nepal  | Bangladesh | Godda -> Bangladesh |
|---------------|--------|--------|------------|---------------------|
| Actual (MU)   | 9.4    | -11.4  | -25.9      | -9.5                |
| Day Peak (MW) | 713.0  | -625.6 | -1106.0    | -432.7              |

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

|              | NR    | WR     | SR   | ER     | NER  | TOTAL |
|--------------|-------|--------|------|--------|------|-------|
| Schedule(MU) | 149.6 | -148.1 | 94.7 | -95.7  | -0.4 | 0.0   |
| Actual(MU)   | 134.0 | -128.3 | 97.4 | -106.4 | -0.6 | -3.9  |
| O/D/U/D(MU)  | -15.5 | 19.9   | 2.6  | -10.6  | -0.2 | -3.9  |

F. Generation Outage(MW)

|                | NR    | WR    | SR    | ER   | NER | TOTAL | % Share |
|----------------|-------|-------|-------|------|-----|-------|---------|
| Central Sector | 7847  | 11896 | 5458  | 2140 | 425 | 27766 | 44      |
| State Sector   | 13800 | 14200 | 5514  | 1460 | 241 | 35214 | 56      |
| Total          | 21647 | 26095 | 10972 | 3600 | 666 | 62980 | 100     |

G. Sourcewise generation (Gross) (MU)

|                                     | NR  | WR   | SR  | ER  | NER | All India | % Share |
|-------------------------------------|-----|------|-----|-----|-----|-----------|---------|
| Coal                                | 503 | 1272 | 587 | 601 | 12  | 2976      | 73      |
| Lignite                             | 27  | 21   | 49  | 0   | 0   | 96        | 2       |
| Hydro                               | 194 | 17   | 67  | 58  | 15  | 350       | 9       |
| Nuclear                             | 30  | 34   | 69  | 0   | 0   | 133       | 3       |
| Gas, Naptha & Diesel                | 17  | 17   | 7   | 0   | 30  | 70        | 2       |
| RES (Wind, Solar, Biomass & Others) | 154 | 120  | 151 | 5   | 1   | 432       | 11      |
| Total                               | 923 | 1481 | 930 | 664 | 58  | 4056      | 100     |

|   |       |       |       |      |       |       |
|---|-------|-------|-------|------|-------|-------|
| Share of RES in total generation (%)                                    | 16.67 | 8.11  | 16.27 | 0.81 | 2.07  | 10.65 |
| Share of Non-fossil fuel (Hydro,Nuclear and RES) in total generation(%) | 40.86 | 11.57 | 30.89 | 9.50 | 27.57 | 22.55 |

H. All India Demand Diversity Factor

|                               |       |
|-------------------------------|-------|
| Based on Regional Max Demands | 1.016 |
| Based on State Max Demands    | 1.053 |

I. All India Peak Demand and shortage at Solar and Non-Solar Hour

|              | Max Demand Met(MW) | Time  | Shortage(MW) |
|--------------|--------------------|-------|--------------|
| Solar hr     | 169182             | 11:50 | 371          |
| Non-Solar hr | 173208             | 19:32 | 631          |

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.

Executive Director-NLDC

**INTER-REGIONAL EXCHANGES**

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

Date of Reporting: 03-May-2023

| Sl No                                 | Voltage Level | Line Details             | No. of Circuit | Max Import (MW) | Max Export (MW) | Import (MU) | Export (MU)  | NET (MU)     |
|---------------------------------------|---------------|--------------------------|----------------|-----------------|-----------------|-------------|--------------|--------------|
| <b>Import/Export of ER (With NR)</b>  |               |                          |                |                 |                 |             |              |              |
| 1                                     | HVDC          | ALIPURDUAR-AGRA          | 2              | 0               | 0               | 0.0         | 0.0          | 0.0          |
| 2                                     | HVDC          | PUSAULI B/B              | -              | 0               | 97              | 0.0         | 2.4          | -2.4         |
| 3                                     | 765 kV        | GAYA-VARANASI            | 2              | 332             | 677             | 0.0         | 7.0          | -7.0         |
| 4                                     | 765 kV        | SASARAM-FATEHPUR         | 1              | 54              | 411             | 0.0         | 5.9          | -5.9         |
| 5                                     | 765 kV        | GAYA-BALIA               | 1              | 0               | 721             | 0.0         | 9.0          | -9.0         |
| 6                                     | 400 kV        | PUSAULI-VARANASI         | 1              | 27              | 83              | 0.0         | 0.4          | -0.4         |
| 7                                     | 400 kV        | PUSAULI -ALLAHABAD       | 1              | 0               | 137             | 0.0         | 1.9          | -1.9         |
| 8                                     | 400 kV        | MUZAFFARPUR-GORAKHPUR    | 2              | 118             | 700             | 0.0         | 9.5          | -9.5         |
| 9                                     | 400 kV        | PATNA-BALIA              | 2              | 87              | 509             | 0.0         | 5.3          | -5.3         |
| 10                                    | 400 kV        | NAUBATPUR-BALIA          | 2              | 134             | 543             | 0.0         | 5.8          | -5.8         |
| 11                                    | 400 kV        | BIHARSHARIFF-BALIA       | 2              | 274             | 336             | 0.0         | 0.6          | -0.6         |
| 12                                    | 400 kV        | MOTTHARI-GORAKHPUR       | 2              | 33              | 462             | 0.0         | 6.9          | -6.9         |
| 13                                    | 400 kV        | BIHARSHARIFF-VARANASI    | 2              | 201             | 274             | 0.0         | 2.8          | -2.8         |
| 14                                    | 220 kV        | SAHUPURI-KARAMNANA       | 1              | 0               | 165             | 0.0         | 2.0          | -2.0         |
| 15                                    | 132 kV        | NAGAR UNTARI-RIHAND      | 1              | 0               | 0               | 0.0         | 0.0          | 0.0          |
| 16                                    | 132 kV        | GARWAH-RIHAND            | 1              | 25              | 0               | 0.4         | 0.0          | 0.4          |
| 17                                    | 132 kV        | 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          |
| <b>ER-NR</b>                          |               |                          |                |                 |                 | <b>0.4</b>  | <b>59.3</b>  | <b>-59.0</b> |
| <b>Import/Export of ER (With WR)</b>  |               |                          |                |                 |                 |             |              |              |
| 1                                     | 765 kV        | JHARSUGUDA-DHARAMJAIGARH | 4              | 1086            | 326             | 9.0         | 0.0          | 9.0          |
| 2                                     | 765 kV        | NEW RANCHI-DHARAMJAIGARH | 2              | 538             | 395             | 5.3         | 0.0          | 5.3          |
| 3                                     | 765 kV        | JHARSUGUDA-DURG          | 2              | 0               | 494             | 0.0         | 8.3          | -8.3         |
| 4                                     | 400 kV        | JHARSUGUDA-RAIGARH       | 4              | 0               | 472             | 0.0         | 7.4          | -7.4         |
| 5                                     | 400 kV        | RANCHI-SIPAT             | 2              | 231             | 131             | 1.2         | 0.0          | 1.2          |
| 6                                     | 220 kV        | BUDHIPADAR-RAIGARH       | 1              | 0               | 56              | 0.0         | 1.7          | -1.7         |
| 7                                     | 220 kV        | BUDHIPADAR-KORBA         | 2              | 167             | 0               | 3.0         | 0.0          | 3.0          |
| <b>ER-WR</b>                          |               |                          |                |                 |                 | <b>18.4</b> | <b>17.4</b>  | <b>1.0</b>   |
| <b>Import/Export of ER (With SR)</b>  |               |                          |                |                 |                 |             |              |              |
| 1                                     | HVDC          | JEYPORE-GAZUWAKA B/B     | 2              | 0               | 548             | 0.0         | 12.5         | -12.5        |
| 2                                     | HVDC          | TALCHER-KOLAR BIPOLE     | 2              | 0               | 1648            | 0.0         | 39.6         | -39.6        |
| 3                                     | 765 kV        | ANGUL-SRIKAKULAM         | 2              | 0               | 2597            | 0.0         | 46.1         | -46.1        |
| 4                                     | 400 kV        | TALCHER-I/C              | 2              | 255             | 630             | 0.6         | 0.0          | 0.6          |
| 5                                     | 220 kV        | BALIMELA-UPPER-SILERRU   | 1              | 0               | 0               | 0.0         | 0.0          | 0.0          |
| <b>ER-SR</b>                          |               |                          |                |                 |                 | <b>0.0</b>  | <b>98.2</b>  | <b>-98.2</b> |
| <b>Import/Export of ER (With NER)</b> |               |                          |                |                 |                 |             |              |              |
| 1                                     | 400 kV        | BINAGURI-BONGAIGAON      | 2              | 203             | 0               | 1.8         | 0.0          | 1.8          |
| 2                                     | 400 kV        | ALIPURDUAR-BONGAIGAON    | 2              | 413             | 0               | 4.7         | 0.0          | 4.7          |
| 3                                     | 220 kV        | ALIPURDUAR-SALAKATI      | 2              | 134             | 0               | 1.4         | 0.0          | 1.4          |
| <b>ER-NER</b>                         |               |                          |                |                 |                 | <b>7.8</b>  | <b>0.0</b>   | <b>7.8</b>   |
| <b>Import/Export of NER (With NR)</b> |               |                          |                |                 |                 |             |              |              |
| 1                                     | HVDC          | BISWANATH CHARIALI-AGRA  | 2              | 287             | 83              | 6.9         | 0.0          | 6.9          |
| <b>NER-NR</b>                         |               |                          |                |                 |                 | <b>6.9</b>  | <b>0.0</b>   | <b>6.9</b>   |
| <b>Import/Export of WR (With NR)</b>  |               |                          |                |                 |                 |             |              |              |
| 1                                     | HVDC          | CHAMPA-KURUKSHETRA       | 2              | 0               | 997             | 0.0         | 24.1         | -24.1        |
| 2                                     | HVDC          | VINDHYACHAL B/B          | -              | 443             | 0               | 9.3         | 0.0          | 9.3          |
| 3                                     | HVDC          | MUNDRA-MOHINDERGARH      | 2              | 313             | 0               | 7.1         | 0.0          | 7.1          |
| 4                                     | 765 kV        | GWALIOR-AGRA             | 2              | 0               | 2076            | 0.0         | 36.7         | -36.7        |
| 5                                     | 765 kV        | GWALIOR-PHAGI            | 2              | 351             | 1689            | 0.7         | 21.1         | -20.3        |
| 6                                     | 765 kV        | JABALPUR-ORAI            | 2              | 0               | 716             | 0.0         | 23.9         | -23.9        |
| 7                                     | 765 kV        | GWALIOR-ORAI             | 1              | 919             | 0               | 15.4        | 0.0          | 15.4         |
| 8                                     | 765 kV        | SATNA-ORAI               | 1              | 0               | 970             | 0.0         | 19.2         | -19.2        |
| 9                                     | 765 kV        | BANASKANTHA-CHITORGARH   | 2              | 1605            | 0               | 20.5        | 0.0          | 20.5         |
| 10                                    | 765 kV        | VINDHYACHAL-VARANASI     | 2              | 0               | 2664            | 0.0         | 44.6         | -44.6        |
| 11                                    | 400 kV        | ZERDA-KANKROLI           | 1              | 295             | 32              | 4.0         | 0.0          | 4.0          |
| 12                                    | 400 kV        | ZERDA -BHINMAL           | 1              | 643             | 0               | 7.0         | 0.0          | 7.0          |
| 13                                    | 400 kV        | VINDHYACHAL -RIHAND      | 1              | 956             | 0               | 20.9        | 0.0          | 20.9         |
| 14                                    | 400 kV        | RAPP-SHUJALPUR           | 2              | 466             | 335             | 2.3         | 2.6          | -0.3         |
| 15                                    | 220 kV        | BHANPURA-RANPUR          | 1              | 0               | 0               | 0.0         | 0.0          | 0.0          |
| 16                                    | 220 kV        | BHANPURA-MORAK           | 1              | 0               | 30              | 0.0         | 1.6          | -1.6         |
| 17                                    | 220 kV        | MEHGAON-AURAIYA          | 1              | 58              | 15              | 0.3         | 0.0          | 0.3          |
| 18                                    | 220 kV        | MALANPUR-AURAIYA         | 1              | 21              | 22              | 0.0         | 0.0          | 0.0          |
| 19                                    | 132 kV        | GWALIOR-SAWAI MADHOPUR   | 1              | 0               | 0               | 0.0         | 0.0          | 0.0          |
| 20                                    | 132 kV        | RAJGHAT-LALITPUR         | 2              | 0               | 0               | 0.0         | 0.0          | 0.0          |
| <b>WR-NR</b>                          |               |                          |                |                 |                 | <b>87.6</b> | <b>173.7</b> | <b>-86.2</b> |
| <b>Import/Export of WR (With SR)</b>  |               |                          |                |                 |                 |             |              |              |
| 1                                     | HVDC          | BHADRAWATI B/B           | -              | 0               | 306             | 0.0         | 7.0          | -7.0         |
| 2                                     | HVDC          | RAIGARH-PUGALUR          | 2              | 0               | 2003            | 0.0         | 42.1         | -42.1        |
| 3                                     | 765 kV        | SOLAPUR-RAICHUR          | 2              | 1065            | 994             | 8.0         | 3.8          | 4.2          |
| 4                                     | 765 kV        | WARDHA-NIZAMABAD         | 2              | 0               | 1630            | 0.0         | 21.6         | -21.6        |
| 5                                     | 400 kV        | KOLHAPUR-KUDGI           | 2              | 1289            | 0               | 22.8        | 0.0          | 22.8         |
| 6                                     | 220 kV        | KOLHAPUR-CHIKODI         | 2              | 0               | 0               | 0.0         | 0.0          | 0.0          |
| 7                                     | 220 kV        | PONDA-AMBEWADI           | 1              | 0               | 0               | 0.0         | 0.0          | 0.0          |
| 8                                     | 220 kV        | XELDEM-AMBEWADI          | 1              | 0               | 124             | 2.6         | 0.0          | 2.6          |
| <b>WR-SR</b>                          |               |                          |                |                 |                 | <b>33.4</b> | <b>74.5</b>  | <b>-41.1</b> |

| INTERNATIONAL EXCHANGES |                                   |  |          |          | Import(+ve)/Export(-ve) |                      |  |
|-------------------------|-----------------------------------|--|----------|----------|-------------------------|----------------------|--|
| State                   | Region                            | Line Name  | Max (MW) | Min (MW) | Avg (MW)                | Energy Exchange (MU) |  |
| BHUTAN                  | ER                                | 400kV MANGDECHHU-ALIPURDUAR 1,2&3 i.e. ALIPURDUAR RECEIPT (from MANGDECHHU HEP 4*180MW)              | 192      | 33       | 138                     | 3.31                 |  |
|                         | ER                                | 400kV TALA-BINAGURI 1,2,4 (& 400kV MALBASE - BINAGURI) i.e. BINAGURI RECEIPT (from TALA HEP 6*170MW) | 591      | 315      | 396                     | 9.51                 |  |
|                         | ER                                | 220kV CHUKHA-BIRPARA 1&2 (& 220kV MALBASE - BIRPARA) i.e. BIRPARA RECEIPT (from CHUKHA HEP 4*84MW)   | -227     | -112     | -170                    | -4.09                |  |
|                         | NER                               | 132kV GELEPHU-SALAKATI   | -17      | 0        | -5                      | -0.11                |  |
|                         | NER                               | 132kV MOTANGA-RANGIA   | 40       | 16       | 30                      | 0.73                 |  |
| NEPAL                   | NR                                | 132kV MAHENDRANAGAR-TANAKPUR(NHPC)   | -72      | 0        | -51                     | -1.23                |  |
|                         | ER                                | NEPAL IMPORT (FROM BIHAR)  | -97      | -22      | -54                     | -1.29                |  |
|                         | ER                                | 400kV DHALKEBAR-MUZAFFARPUR 1&2  | -457     | -42      | -369                    | -8.85                |  |
| BANGLADESH              | ER                                | BHERAMARA B/B HVDC (B'DESH)  | -929     | -914     | -921                    | -22.10               |  |
|                         | ER<br>(Isolated from Indian Grid) | 400kV GODDA_TPS-RAHANPUR (B'DESH) D/C  | -433     | -353     | -395                    | -9.48                |  |
|                         | NER                               | 132kV COMILLA-SURAJMANI NAGAR 1&2  | -177     | 0        | -159                    | -3.82                |  |