

## 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, कुतुब इन्स्टीट्यूशनल एरिया, कटवारिया सराये, न्यू दिल्ली-110016

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Ref: POSOCO/NLDC/SO/Daily PSP Report

दिनांक: 16<sup>th</sup> 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 15.10.2023.

महोदय/Dear Sir,

आई॰ई॰जी॰सी॰-2010 की धारा स.-5.5.1 के प्रावधान के अनुसार, दिनांक 15-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 15<sup>th</sup> October 2023, is available at the NLDC website.

धन्यवाद.

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



A. Power Supply Position at All India and Regional level

Report for previous day Date of Reporting: 16-Oct-2023

|   | NR     | WR    | SR     | ER    | NER   | TOTAL  |
|---|--------|-------|--------|-------|-------|--------|
| Demand Met during Evening Peak hrs(MW) (at 20:00 hrs; from RLDCs) | 56959  | 61759 | 44284  | 24425 | 2993  | 190420 |
| Peak Shortage (MW)  | 0      | 0     | 0      | 301   | 16    | 317    |
| Energy Met (MU)   | 1270   | 1489  | 1152   | 528   | 56    | 4494   |
| Hydro Gen (MU)  | 171    | 91    | 60     | 60    | 27    | 408    |
| Wind Gen (MU)   | 24     | 48    | 25     | -     | -     | 98     |
| Solar Gen (MU)*   | 123.71 | 58.24 | 115.04 | 2.85  | 1.05  | 301    |
| Energy Shortage (MU)  | 1.07   | 0.00  | 0.00   | 1.08  | 0.18  | 2.33   |
| Maximum Demand Met During the Day (MW)<br>(From NLDC SCADA)       | 57485  | 67940 | 55668  | 24419 | 3068  | 200980 |
| Time Of Maximum Demand Met  | 19:15  | 14:45 | 11:57  | 18:36 | 17:50 | 14:57  |

| 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              | 0.034 | 0.00   | 0.47        | 5.66        | 6.13   | 78.01        | 15.85   |

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<br>(MU) | (MU)        | (MW)   | Shortage (MU) |
|                        | Punjab               | 7385                    | 0                   | 148.2      | 58.8             | -3.9        | 259    | 0.00          |
|                        | Haryana              | 8573                    | 0                   | 173.7      | 118.6            | -1.4        | 208    | 0.42          |
|                        | Rajasthan            | 14689                   | 0                   | 303.3      | 87.0             | -4.1        | 293    | 0.00          |
|                        | Delhi                | 4523                    | 0                   | 96.1       | 72.3             | -0.6        | 185    | 0.00          |
| NR                     | UP                   | 21640                   | 0                   | 430.2      | 181.3            | -2.0        | 1458   | 0.00          |
|                        | Uttarakhand          | 1855                    | 0                   | 37.7       | 24.7             | -0.1        | 142    | 0.16          |
|                        | HP                   | 1533                    | 0                   | 29.9       | 17.3             | -0.6        | 37     | 0.04          |
|                        | J&K(UT) & Ladakh(UT) | 1841                    | 0                   | 43.7       | 38.7             | -4.2        | 456    | 0.45          |
|                        | Chandigarh           | 202                     | 0                   | 3.8        | 3.9              | -0.2        | 24     | 0.00          |
|                        | Railways_NR ISTS     | 190                     | 0                   | 3.6        | 3.5              | 0.1         | 34     | 0.00          |
|                        | Chhattisgarh         | 5189                    | 0                   | 119.1      | 59.0             | -1.9        | 137    | 0.00          |
|                        | Gujarat              | 19710                   | 0                   | 407.7      | 165.1            | -0.2        | 341    | 0.00          |
|                        | MP                   | 13395                   | 0                   | 294.7      | 175.9            | -2.6        | 691    | 0.00          |
| WR                     | Maharashtra          | 27156                   | 0                   | 597.0      | 239.6            | -1.1        | 1211   | 0.00          |
|                        | Goa                  | 615                     | 0                   | 13.5       | 12.5             | 0.7         | 53     | 0.00          |
|                        | DNHDDPDCL            | 1244                    | 0                   | 28.7       | 28.9             | -0.2        | 28     | 0.00          |
|                        | AMNSIL               | 686                     | 0                   | 15.6       | 6.6              | 0.1         | 240    | 0.00          |
|                        | BALCO                | 521                     | 0                   | 12.4       | 12.5             | -0.1        | 8      | 0.00          |
|                        | Andhra Pradesh       | 12443                   | 0                   | 239.6      | 112.6            | -0.5        | 625    | 0.00          |
|                        | Telangana            | 14261                   | 0                   | 283.4      | 155.0            | -1.6        | 831    | 0.00          |
| SR                     | Karnataka            | 13458                   | 0                   | 246.6      | 93.5             | 0.6         | 959    | 0.00          |
|                        | Kerala               | 3642                    | 0                   | 72.1       | 57.8             | 1.3         | 268    | 0.00          |
|                        | Tamil Nadu           | 13620                   | 0                   | 300.2      | 174.0            | -1.4        | 369    | 0.00          |
|                        | Puducherry           | 392                     | 0                   | 9.9        | 8.9              | -0.3        | 37     | 0.00          |
|                        | Bihar                | 6238                    | 0                   | 126.6      | 122.8            | -2.4        | 482    | 0.00          |
|                        | DVC                  | 3281                    | 0                   | 71.3       | -29.6            | 0.8         | 319    | 0.00          |
|                        | Jharkhand            | 1597                    | 200                 | 33.2       | 25.5             | -2.1        | 174    | 1.08          |
| $\mathbf{E}\mathbf{R}$ | Odisha               | 5168                    | 0                   | 111.7      | 30.7             | -2.7        | 310    | 0.00          |
|                        | West Bengal          | 8729                    | 0                   | 184.2      | 45.5             | -3.3        | 264    | 0.00          |
|                        | Sikkim               | 61                      | 0                   | 0.9        | 1.0              | -0.1        | 12     | 0.00          |
|                        | Railways_ER ISTS     | 29                      | 0                   | 0.2        | 0.2              | 0.0         | 18     | 0.00          |
|                        | Arunachal Pradesh    | 137                     | 0                   | 2.6        | 2.4              | 0.0         | 27     | 0.00          |
|                        | Assam                | 1951                    | 0                   | 35.4       | 27.7             | 0.9         | 206    | 0.00          |
|                        | Manipur              | 194                     | 0                   | 2.6        | 3.1              | -0.5        | 13     | 0.00          |
| NER                    | Meghalaya            | 302                     | 16                  | 5.5        | 2.3              | -0.2        | 87     | 0.18          |
|                        | Mizoram              | 114                     | 0                   | 1.9        | 0.7              | -0.2        | 7      | 0.00          |
|                        | Nagaland             | 150                     | 0                   | 2.7        | 2.5              | -0.1        | 11     | 0.00          |
|                        | Tripura              | 305                     | 0                   | 5.1        | 5.3              | -0.1        | 39     | 0.00          |

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

|               | Bhutan | Nepal | Bangladesh | Godda -> Bangladesh |
|---------------|--------|-------|------------|---------------------|
| Actual (MU)   | 20.0   | 15.0  | -24.5      | -12.6               |
| Day Peak (MW) | 944.5  | 576.0 | -1079.0    | -547.0              |

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

| E: Import by Regions (in 170) - import (+70)/Export (-70), OD(+)/CD(-) |       |        |       |        |       |       |  |  |  |
|--|-------|--------|-------|--------|-------|-------|--|--|--|
|  | NR    | WR     | SR    | ER     | NER   | TOTAL |  |  |  |
| Schedule(MU)   | 201.8 | -234.5 | 167.0 | -122.4 | -11.9 | 0.0   |  |  |  |
| Actual(MU)   | 186.8 | -212.9 | 177.9 | -148.9 | -7.7  | -4.8  |  |  |  |
| O/D/IJ/D(MIJ)  | -15.0 | 21.6   | 10.0  | 26.5   | 4.2   | 18    |  |  |  |

F. Generation Outage(MW)

|                | NR    | WR    | SR   | ER   | NER | TOTAL | % Share |
|----------------|-------|-------|------|------|-----|-------|---------|
| Central Sector | 4274  | 10329 | 4878 | 4171 | 290 | 23941 | 50      |
| State Sector   | 6276  | 10398 | 5041 | 2380 | 129 | 24223 | 50      |
| Total          | 10550 | 20726 | 9919 | 6551 | 419 | 48164 | 100     |

G. Sourcewise generation (Gross) (MU)

| G. Sourcewise generation (Gross) (MO)                                   |       |       |       |      |       |           |         |
|---|-------|-------|-------|------|-------|-----------|---------|
|   | NR    | WR    | SR    | ER   | NER   | All India | % Share |
| Coal  | 768   | 1526  | 708   | 670  | 15    | 3687      | 76      |
| Lignite   | 24    | 15    | 42    | 0    | 0     | 82        | 2       |
| Hydro   | 171   | 91    | 60    | 60   | 27    | 408       | 8       |
| Nuclear   | 25    | 54    | 71    | 0    | 0     | 149       | 3       |
| Gas, Naptha & Diesel  | 29    | 30    | 6     | 0    | 27    | 93        | 2       |
| RES (Wind, Solar, Biomass & Others)                                     | 150   | 109   | 169   | 4    | 1     | 432       | 9       |
| Total   | 1166  | 1824  | 1056  | 734  | 70    | 4850      | 100     |
| Share of RES in total generation (%)                                    | 12.85 | 5.97  | 15.98 | 0.51 | 1.49  | 8.91      |         |
| Share of Non-fossil fuel (Hydro,Nuclear and RES) in total generation(%) | 29.60 | 13.87 | 28.33 | 8.71 | 40.30 | 20.40     |         |

| H.       | All | India | Dema | nd Di | versity | Factor |
|----------|-----|-------|------|-------|---------|--------|
| <b>T</b> | -   | _     |      | 3.5   | _       |        |

| H. All India Demand Diversity Factor |       |
|--------------------------------------|-------|
| Based on Regional Max Demands        | 1.037 |
| Based on State Max Demands           | 1.079 |

| I. All India Peak | Demand | and | shortage | at Solar  | and l | Non-Solar Hour |
|-------------------|--------|-----|----------|-----------|-------|----------------|
|                   | 3.7    | 1   | - 117    | 1/3 / *** |       |                |

|              | Max Demand Met(MW) | Time  | Shortage(MW) |
|--------------|--------------------|-------|--------------|
| Solar hr     | 200980             | 14:57 | 6            |
| Non-Solar hr | 192065             | 19:10 | 317          |

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

<sup>\*\*</sup>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

 $<sup>*</sup>Source: RLDCs \ for \ solar \ connected \ to \ ISTS; SLDCs \ for \ embedded \ solar. \ Limited \ visibility \ of \ embedded \ solar \ data.$ 

## INTER-REGIONAL EXCHANGES

Import=(+ve) /Export =(-ve) for NET (MU)
Date of Reporting: 16-Oct-2023

| Sl No    | Voltage Level              | Line Details   | No. of Circuit                             | Max Import (MW)      | Max Export (MW) | Import (MU) | Export (MU)  | NET (MU)         |
|----------|----------------------------|--|--|----------------------|-----------------|-------------|--------------|------------------|
| _        | t/Export of ER (V          |  | -  |                      |                 |             | 11.2         |                  |
| 2        | HVDC<br>HVDC               | ALIPURDUAR-AGRA<br>PUSAULI B/B                       | 2  | 0                    | 501<br>48       | 0.0         | 1.2          | -11.2<br>-1.2    |
| 3        | 765 kV<br>765 kV           | GAYA-VARANASI<br>SASARAM-FATEHPUR                    | 2  | 191<br>0             | 451<br>340      | 0.0         | 4.4<br>5.7   | -4.4<br>-5.7     |
| 5        | 765 kV<br>400 kV           | GAYA-BALIA<br>PUSAULI-VARANASI                       | 1  | 0                    | 522<br>65       | 0.0         | 9.2<br>0.5   | -9.2<br>-0.5     |
| 7        | 400 kV                     | PUSAULI -ALLAHABAD                                   | 1  | 18                   | 61              | 0.0         | 0.7          | -0.7             |
| 9        | 400 kV<br>400 kV           | MUZAFFARPUR-GORAKHPUR<br>PATNA-BALIA                 | 2 2  | 0                    | 585<br>405      | 0.0         | 8.5<br>7.7   | -8.5<br>-7.7     |
| 10<br>11 | 400 kV<br>400 kV           | NAUBATPUR-BALIA<br>BIHARSHARIFF-BALIA                | 2 2  | 0<br>109             | 418<br>227      | 0.0         | 7.5<br>2.2   | -7.5<br>-2.2     |
| 12       | 400 kV                     | MOTIHARI-GORAKHPUR                                   | 2  | 60                   | 305             | 0.0         | 4.4          | -4.4             |
| 13<br>14 | 400 kV<br>220 kV           | BIHARSHARIFF-VARANASI<br>SAHUPURI-KARAMNASA          | 2  | 118<br>0             | 223<br>101      | 0.0         | 1.9<br>1.7   | -1.9<br>-1.7     |
| 15<br>16 | 132 kV<br>132 kV           | NAGAR UNTARI-RIHAND<br>GARWAH-RIHAND                 | 1  | 0 30                 | 0               | 0.1<br>0.4  | 0.0          | 0.1<br>0.4       |
| 17       | 132 kV                     | KARMANASA-SAHUPURI                                   | 1  | 0                    | 35              | 0.0         | 0.0          | 0.0              |
| 18       | 132 kV                     | KARMANASA-CHANDAULI                                  | 1  | 0                    | 0<br>ER-NR      | 0.0         | 0.0<br>66.6  | 0.0<br>-66.1     |
| Import   | t/Export of ER (\          |  |  |                      | •               |             |              |                  |
| 2        | 765 kV<br>765 kV           | JHARSUGUDA-DHARAMJAIGARH<br>NEW RANCHI-DHARAMJAIGARH | 4 2  | 817<br>785           | 90<br>26        | 8.1<br>8.4  | 0.0          | 8.1<br>8.4       |
| 3        | 765 kV                     | JHARSUGUDA-DURG                                      | 2  | 0                    | 401             | 0.0         | 7.2          | -7.2             |
| 5        | 400 kV<br>400 kV           | JHARSUGUDA-RAIGARH<br>RANCHI-SIPAT                   | 4<br>2                                     | 0<br>142             | 670<br>74       | 0.0<br>0.7  | 11.4<br>0.0  | -11.4<br>0.7     |
| 7        | 220 kV<br>220 kV           | BUDHIPADAR-RAIGARH<br>BUDHIPADAR-KORBA               | 1 2  | 73                   | 198<br>50       | 0.0         | 3.7<br>0.0   | -3.7<br>0.1      |
|          |                            |  | 2  | 73                   | ER-WR           | 17.3        | 22.3         | -5.0             |
| Import.  | t/Export of ER (\)<br>HVDC | Vith SR)<br>JEYPORE-GAZUWAKA B/B                     | 2  | 0                    | 560             | 0.0         | 12.7         | -12.7            |
| 2        | HVDC                       | TALCHER-KOLAR BIPOLE                                 | 2  | 0                    | 1996            | 0.0         | 46.6         | -46.6            |
| 3        | 765 kV<br>400 kV           | ANGUL-SRIKAKULAM<br>TALCHER-I/C                      | 2 2  | 0<br>263             | 2870<br>185     | 0.0         | 55.4<br>1.8  | -55.4<br>-1.8    |
| 5        |                            | BALIMELA-UPPER-SILERRU                               | 1  | 0                    | 0               | 0.0         | 0.0          | 0.0              |
| Import   | t/Export of ER (V          | With NER)  |  |                      | ER-SR           | 0.0         | 114.7        | -114.7           |
| 1        | 400 kV                     | BINAGURI-BONGAIGAON                                  | 2  | 35                   | 384             | 0.0         | 3.8          | -3.8             |
| 3        | 400 kV<br>220 kV           | ALIPURDUAR-BONGAIGAON<br>ALIPURDUAR-SALAKATI         | 2 2  | 182<br>20            | 458<br>93       | 0.0         | 3.3<br>0.8   | -3.3<br>-0.8     |
|          |                            |  | -  |                      | ER-NER          | 0.0         | 8.0          | -8.0             |
| Import.  | t/Export of NER<br>HVDC    | (With NR)<br>BISWANATH CHARIALI-AGRA                 | 2  | 0                    | 696             | 0.0         | 16.5         | -16.5            |
|          |                            |  | _  | ·                    | NER-NR          | 0.0         | 16.5         | -16.5            |
| Import.  | t/Export of WR (<br>HVDC   | With NR)<br>CHAMPA-KURUKSHETRA                       | 2  | 6                    | 0               | 0.1         | 0.0          | 0.1              |
| 2        | HVDC                       | VINDHYACHAL B/B                                      |  | 0                    | 53              | 0.0         | 1.2          | -1.2             |
| 3        | HVDC<br>765 kV             | MUNDRA-MOHINDERGARH<br>GWALIOR-AGRA                  | 2 2  | 0                    | 1169<br>1474    | 0.0         | 29.0<br>21.8 | -29.0<br>-21.8   |
| 5        | 765 kV                     | GWALIOR-PHAGI  | 2  | 340                  | 1268            | 0.7         | 16.8         | -16.1            |
| 7        | 765 kV<br>765 kV           | JABALPUR-ORAI<br>GWALIOR-ORAI                        | 2<br>1                                     | 0<br>662             | 847<br>0        | 0.0<br>12.4 | 26.7<br>0.0  | -26.7<br>12.4    |
| 8        | 765 kV<br>765 kV           | SATNA-ORAI<br>BANASKANTHA-CHITORGARH                 | 1 2  | 0<br>1440            | 868<br>269      | 0.0<br>10.9 | 17.6<br>0.0  | -17.6<br>10.9    |
| 10       | 765 kV                     | VINDHYACHAL-VARANASI                                 | 2  | 0                    | 2395            | 0.0         | 42.6         | -42.6            |
| 11       | 400 kV<br>400 kV           | ZERDA-KANKROLI<br>ZERDA -BHINMAL                     | 1  | 196<br>500           | 19<br>121       | 1.7<br>2.9  | 0.0          | 1.7<br>2.9       |
| 13       | 400 kV                     | VINDHYACHAL -RIHAND<br>RAPP-SHUJALPUR                | 1 2  | 962<br>417           | 0<br>249        | 22.2        | 0.0<br>2.3   | 22.2<br>-0.1     |
| 14<br>15 | 400 kV<br>220 kV           | BHANPURA-RANPUR                                      | 1  | 0                    | 108             | 2.2<br>0.0  | 1.9          | -1.9             |
| 16<br>17 | 220 kV<br>220 kV           | BHANPURA-MORAK<br>MEHGAON-AURAIYA                    | 1  | 0<br>88              | 30              | 0.0<br>1.7  | 2.3<br>0.0   | -2.3<br>1.7      |
| 18       | 220 kV                     | MALANPUR-AURAIYA                                     | 1  | 59<br>0              | 0               | 1.0         | 0.0          | 1.0              |
| 20       | 132 kV<br>132 kV           | GWALIOR-SAWAI MADHOPUR<br>RAJGHAT-LALITPUR           | 2  | 0                    | 0               | 0.0         | 0.0          | 0.0<br>0.0       |
| Townsort | t/Ermont of WD (           | With CD  |  |                      | WR-NR           | 55.8        | 162.1        | -106.4           |
| 1mport   | t/Export of WR (<br>HVDC   | BHADRAWATI B/B                                       |  | 0                    | 1007            | 0.0         | 15.4         | -15.4            |
| 3        | HVDC<br>765 kV             | RAIGARH-PUGALUR<br>SOLAPUR-RAICHUR                   | 2 2  | 0<br>354             | 4041<br>1274    | 0.0         | 69.5<br>9.6  | -69.5<br>-9.6    |
| 4        | 765 kV                     | WARDHA-NIZAMABAD                                     | 2  | 0                    | 2465            | 0.0         | 43.4         | -43.4            |
| 6        | 400 kV<br>220 kV           | KOLHAPUR-KUDGI<br>KOLHAPUR-CHIKODI                   | 2 2  | 1509                 | 0               | 24.3<br>0.0 | 0.0          | 24.3<br>0.0      |
| 7 8      | 220 kV<br>220 kV           | PONDA-AMBEWADI                                       | 1  | 0                    | 0<br>110        | 0.0<br>2.3  | 0.0          | 0.0              |
| 0        | 420 KV                     | XELDEM-AMBEWADI                                      |  | U                    | WR-SR           | 26.6        | 137.9        | -111.3           |
|          |                            | IN'  | TERNATIONAL EX                             | CHANGES              |                 |             | Import       | +ve)/Export(-ve) |
|          | State                      | Region   |  | Name                 | Max (MW)        | Min (MW)    | Avg (MW)     | Energy Exchange  |
|          |                            |  | 400kV MANGDECHHU-                          |                      | , ,             | . ,         | _            | (MU)             |
| 1        |                            | ER   | ALIPURDUAR RECEIPT<br>HEP 4*180MW)         | (from MANGDECHU      | 314             | 213         | 235          | 5.65             |
| 1        |                            | TIP.   | 400kV TALA-BINAGURI                        |                      |                 | 500         | 553          | 12.20            |
|          |                            | ER   | MALBASE - BINAGURI<br>RECEIPT (from TALA H |                      | 575             | 500         | 553          | 13.28            |
|          | BHUTAN                     | ER   | 220kV CHUKHA-BIRPA<br>MALBASE - BIRPARA) i | RA 1&2 (& 220kV      | -24             | 12          | -6           | -0.15            |
|          | BHUTAN                     | ER   | (from CHUKHA HEP 4*8                       |                      | -24             | 12          | -0           | -0.15            |
| 1        |                            | NER  | 132kV GELEPHU-SALA                         | KATI                 | 15              | 0           | 7            | 0.17             |
|          |                            |  |  |                      |                 |             |              | V.2.             |
|          |                            | NER  | 132kV MOTANGA-RANG                         | GIA                  | 52              | 0           | 42           | 1.00             |
| <u> </u> |                            |  |  |                      |                 |             |              |                  |
|          |                            | NR   | 132kV MAHENDRANAG                          | GAR-TANAKPUR(NHPC)   | -25             | 0           | 58           | 1.40             |
|          |                            |  |  |                      |                 |             |              |                  |
|          | NEPAL                      | ER   | NEPAL IMPORT (FROM                         | I BIHAR)             | 0               | 0           | 0            | 0.00             |
|          |                            |  |  |                      |                 |             |              |                  |
|          |                            | ER   | 400kV DHALKEBAR-MU                         | UZAFFARPUR 1&2       | 601             | 508         | 568          | 13.63            |
|          |                            |  | nven 432151 = = ==                         | C MINESTE            |                 |             | 20.4         |                  |
|          |                            | ER   | BHERAMARA B/B HVD                          | C (B'DESH)           | -924            | -752        | -884         | -21.22           |
| D A      | ANGLADESH                  | ER   | 400kV GODDA_TPS-RAI                        | HANDIID (D'DEGIA D/C | 5.47            | 405         | -526         | 10.62            |
| ВА       | MOLADESH                   | (Isolated from Indian Grid)                          | TOURY GODDA_IPS-KAI                        | HAM OR (D DESH) D/C  | -547            | -495        | -520         | -12.63           |
| 1        |                            | NER  | 132kV COMILLA-SURA.                        | JMANI NAGAR 1&2      | -155            | 0           | -138         | -3.32            |
| 1        |                            | . 14/45  | l  |                      | 200             | •           | 1            |                  |

## CROSS BORDER EXCHANGE SCHEDULE

Date of Reporting: 16-Oct-2023

0.00

0.00

0.00

14.42

0.00

0.00

Export From India (in MU)

|              |                   | T-GNA              |      |      |      |      |      |      |       |
|--------------|-------------------|--------------------|------|------|------|------|------|------|-------|
| Country      | GNA<br>(ISGS/PPA) | COLLECTIVE         |      |      |      |      |      |      | 1     |
|              |                   | BILATERAL<br>TOTAL | IDAM |      |      | RTM  |      |      | 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   | 21.25             | 0.00               | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 21.25 |
| Myanmar      | 0.00              | 0.00               | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00  |
| Total Export | 21.25             | 0.00               | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 21.25 |

Import by India(in MU)

0.00

0.86

Myanmar Total Net 0.00

0.00

0.00

12.51

|              |                   | T-GNA     |       |            |      |      |      |      |       |
|--------------|-------------------|-----------|-------|------------|------|------|------|------|-------|
|              | GNA<br>(ISGA/PPA) |           |       | COLLECTIVE |      |      |      |      |       |
| Country      |                   | BILATERAL | IDAM  |            |      | RTM  |      |      | TOTAL |
|              |                   | TOTAL     | IEX   | PXIL       | HPX  | IEX  | PXIL | HPX  |       |
| Bhutan       | 19.48             | 0.00      | 1.37  | 0.00       | 0.00 | 0.00 | 0.00 | 0.00 | 20.85 |
| Nepal        | 2.63              | 0.00      | 11.14 | 0.00       | 0.00 | 1.05 | 0.00 | 0.00 | 14.82 |
| 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 | 22.11             | 0.00      | 12.51 | 0.00       | 0.00 | 1.05 | 0.00 | 0.00 | 35.67 |

Net from India(in MU) -ve : Export / +ve : Import T-GNA COLLECTIVE **GNA** (ISGS/PPA) IDAM BILATERAL RTM TOTAL Country TOTAL IEX PXIL HPX IEX PXIL HPX 19.48 0.00 0.00 0.000.00Bhutan 1.37 0.000.0020.85 2.63 0.00 11.14 0.00 0.00 1.05 0.00 0.0014.82 Nepal Bangladesh -21.25 0.000.000.000.000.000.000.00-21.25

0.00

0.00

0.00

0.00

0.00

1.05