



**National Load Despatch Centre**  
**राष्ट्रीय भार प्रेषण केंद्र**  
**POWER SYSTEM OPERATION CORPORATION LIMITED**  
**पावर सिस्टम ऑपरेशन कारपोरेशन 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: 25<sup>th</sup> Jun 2020

To,

1. कार्यकारी निदेशक, पू.क्षे.भा.प्रे.के., 14, गोल्फ क्लब रोड, कोलकाता - 700033  
Executive Director, ERLDC, 14 Golf Club Road, Tollygunge, Kolkata, 700033
2. कार्यकारी निदेशक, ऊ.क्षे.भा.प्रे.के., 18/ ए, शहीद जीत सिंह सनसनवाल मार्ग, नई दिल्ली - 110016  
Executive Director, NRLDC, 18-A, Shaheed Jeet Singh Marg, Katwaria Sarai, New Delhi - 110016
3. कार्यकारी निदेशक, प.क्षे.भा.प्रे.के., एफ3-, एम आई डी सी क्षेत्र, अंधेरी, मुंबई -400093  
Executive Director, WRLDC, F-3, M.I.D.C. Area, Marol, Andheri (East), Mumbai-400093
4. कार्यकारी निदेशक, ऊ.पू.क्षे.भा.प्रे.के., डोंगतिह, 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 24.06.2020.**

महोदय/Dear Sir,

आई०ई०जी०सी०-2010 की धारा स.5.5.1 के प्रावधान के अनुसार, दिनांक 24-जून-2020 की अखिल भारतीय प्रणाली की दैनिक ग्रिड निष्पादन रिपोर्ट रा०भा०प्रे०के० की वेबसाइट 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 24<sup>th</sup> Jun 2020, 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: 25-Jun-2020

A. Power Supply Position at All India and Regional level

|  | NR    | WR    | SR    | ER    | NER   | TOTAL  |
|--|-------|-------|-------|-------|-------|--------|
| Demand Met during Evening Peak hrs(MW) (at 2000 hrs; from RLDCs) | 55544 | 42004 | 36910 | 21526 | 2717  | 158701 |
| Peak Shortage (MW)   | 1017  | 0     | 0     | 0     | 9     | 1026   |
| Energy Met (MU)  | 1314  | 1015  | 907   | 455   | 50    | 3741   |
| Hydro Gen (MU)   | 371   | 84    | 88    | 142   | 27    | 712    |
| Wind Gen (MU)  | 20    | 41    | 77    | -     | -     | 138    |
| Solar Gen (MU)*  | 36.20 | 20.00 | 80.40 | 4.79  | 0.03  | 141    |
| Energy Shortage (MU)   | 12.3  | 0.0   | 0.0   | 0.0   | 0.0   | 12.3   |
| Maximum Demand Met During the Day (MW) (From NLDC SCADA)         | 60274 | 44717 | 42800 | 21931 | 2715  | 163564 |
| Time Of Maximum Demand Met (From NLDC SCADA)                     | 22:06 | 15:04 | 11:43 | 22:41 | 18:56 | 22:20  |

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 | 0.037 | 0.00   | 0.02        | 12.05       | 12.07  | 81.32        | 6.61    |

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               | 11352                             | 0                                  | 259.3           | 142.3                | -1.7             | 89          | 0.0                  |
|         | Haryana              | 8878                              | 0                                  | 202.4           | 139.3                | 1.9              | 309         | 0.4                  |
|         | Rajasthan            | 10912                             | 0                                  | 241.5           | 91.3                 | 1.1              | 948         | 0.0                  |
|         | Delhi                | 5318                              | 0                                  | 107.3           | 90.5                 | 0.2              | 882         | 0.0                  |
|         | UP                   | 20317                             | 270                                | 388.8           | 192.7                | -0.4             | 472         | 2.0                  |
|         | Uttarakhand          | 1826                              | 0                                  | 39.9            | 17.9                 | 1.2              | 101         | 0.0                  |
|         | HP                   | 1269                              | 0                                  | 27.5            | -2.7                 | -0.9             | 133         | 0.0                  |
|         | J&K(UT) & Ladakh(UT) | 2084                              | 521                                | 41.4            | 17.7                 | 0.6              | 212         | 9.9                  |
| WR      | Chandigarh           | 289                               | 0                                  | 5.7             | 6.1                  | -0.4             | 16          | 0.0                  |
|         | Chhattisgarh         | 3403                              | 0                                  | 76.6            | 18.1                 | -0.7             | 392         | 0.0                  |
|         | Gujarat              | 14449                             | 0                                  | 311.5           | 85.5                 | 2.5              | 452         | 0.0                  |
|         | MP                   | 7810                              | 0                                  | 171.6           | 100.8                | -1.3             | 345         | 0.0                  |
|         | Maharashtra          | 19030                             | 0                                  | 412.3           | 174.9                | 4.8              | 879         | 0.0                  |
|         | Goa                  | 423                               | 0                                  | 8.9             | 8.6                  | -0.1             | 50          | 0.0                  |
|         | DD                   | 251                               | 0                                  | 5.4             | 5.2                  | 0.2              | 33          | 0.0                  |
|         | AMNSIL               | 720                               | 0                                  | 15.5            | 4.3                  | 0.1              | 210         | 0.0                  |
| SR      | Andhra Pradesh       | 8812                              | 0                                  | 176.9           | 59.8                 | -0.2             | 455         | 0.0                  |
|         | Telangana            | 8167                              | 0                                  | 168.6           | 103.7                | 1.1              | 759         | 0.0                  |
|         | Karnataka            | 10670                             | 0                                  | 196.0           | 74.6                 | 3.6              | 933         | 0.0                  |
|         | Kerala               | 3226                              | 0                                  | 66.9            | 47.1                 | -0.2             | 150         | 0.0                  |
|         | Tamil Nadu           | 13499                             | 0                                  | 291.2           | 147.4                | -1.6             | 1294        | 0.0                  |
|         | Puducherry           | 350                               | 0                                  | 7.4             | 8.0                  | -0.5             | 14          | 0.0                  |
| ER      | Bihar                | 5571                              | 0                                  | 109.3           | 102.6                | 1.1              | 325         | 0.0                  |
|         | DVC                  | 2761                              | 0                                  | 61.5            | -35.9                | -0.4             | 245         | 0.0                  |
|         | Jharkhand            | 1325                              | 0                                  | 25.8            | 18.7                 | -1.8             | 180         | 0.0                  |
|         | Odisha               | 4361                              | 0                                  | 89.1            | 3.8                  | 0.0              | 220         | 0.0                  |
|         | West Bengal          | 8267                              | 0                                  | 168.0           | 54.0                 | 2.0              | 425         | 0.0                  |
| NER     | Sikkim               | 95                                | 0                                  | 1.3             | 1.4                  | -0.1             | 22          | 0.0                  |
|         | Arunachal Pradesh    | 107                               | 1                                  | 1.9             | 2.1                  | -0.1             | 32          | 0.0                  |
|         | Assam                | 1641                              | 0                                  | 30.7            | 25.2                 | 0.7              | 168         | 0.0                  |
|         | Manipur              | 188                               | 1                                  | 2.6             | 2.4                  | 0.2              | 29          | 0.0                  |
|         | Meghalaya            | 332                               | 0                                  | 5.6             | 0.7                  | -0.2             | 62          | 0.0                  |
|         | Mizoram              | 96                                | 2                                  | 1.7             | 1.3                  | 0.1              | 51          | 0.0                  |
|         | Nagaland             | 132                               | 1                                  | 2.2             | 2.3                  | -0.3             | 34          | 0.0                  |
| Tripura | 293                  | 4                                 | 5.2                                | 5.9             | 0.1                  | 66               | 0.0         |                      |

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

|               | Bhutan | Nepal  | Bangladesh |
|---------------|--------|--------|------------|
| Actual (MU)   | 45.3   | -2.3   | -26.4      |
| Day Peak (MW) | 2287.2 | -302.8 | -1123.0    |

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

|              | NR    | WR     | SR    | ER     | NER  | TOTAL |
|--------------|-------|--------|-------|--------|------|-------|
| Schedule(MU) | 274.5 | -286.1 | 130.6 | -114.2 | -4.7 | 0.0   |
| Actual(MU)   | 270.2 | -292.4 | 148.7 | -114.3 | -7.8 | 4.5   |
| O/D/U/D(MU)  | -4.4  | -6.2   | 18.2  | -0.1   | -3.0 | 4.5   |

F. Generation Outage(MW)

|                | NR    | WR    | SR    | ER   | NER | TOTAL |
|----------------|-------|-------|-------|------|-----|-------|
| Central Sector | 5302  | 14539 | 10872 | 2315 | 594 | 33621 |
| State Sector   | 9095  | 24331 | 13733 | 5692 | 11  | 52862 |
| Total          | 14397 | 38870 | 24605 | 8007 | 605 | 86483 |

G. Sourcewise generation (MU)

|                                     | NR   | WR   | SR  | ER  | NER | All India |
|-------------------------------------|------|------|-----|-----|-----|-----------|
| Coal                                | 536  | 1037 | 379 | 470 | 10  | 2431      |
| Lignite                             | 25   | 15   | 48  | 0   | 0   | 87        |
| Hydro                               | 371  | 84   | 88  | 142 | 27  | 712       |
| Nuclear                             | 30   | 36   | 47  | 0   | 0   | 113       |
| Gas, Naptha & Diesel                | 35   | 78   | 16  | 0   | 28  | 157       |
| RES (Wind, Solar, Biomass & Others) | 76   | 70   | 195 | 5   | 0   | 346       |
| Total                               | 1073 | 1320 | 772 | 617 | 64  | 3846      |

|   |       |       |       |       |       |       |
|---|-------|-------|-------|-------|-------|-------|
| Share of RES in total generation (%)                                    | 7.10  | 5.29  | 25.27 | 0.78  | 0.05  | 8.99  |
| Share of Non-fossil fuel (Hydro,Nuclear and RES) in total generation(%) | 44.49 | 14.39 | 42.72 | 23.87 | 41.56 | 30.45 |

H. All India Demand Diversity Factor

|                               |       |
|-------------------------------|-------|
| Based on Regional Max Demands | 1.054 |
| Based on State Max Demands    | 1.093 |

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.

Executive Director-NLDC

**INTER-REGIONAL EXCHANGES**

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

Date of Reporting: 25-Jun-2020

| SI No                                 | Voltage Level | Line Details             | 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          | -       | 0               | 1001            | 0.0           | 23.8        | -23.8    |        |
| 2                                     | HVDC          | PUSAULI B/B              | S/C     | 0               | 399             | 0.0           | 9.7         | -9.7     |        |
| 3                                     | 765 kV        | GAYA-VARANASI            | D/C     | 0               | 531             | 0.0           | 7.3         | -7.3     |        |
| 4                                     | 765 kV        | SASARAM-FATEHPUR         | S/C     | 142             | 114             | 0.7           | 0.0         | 0.7      |        |
| 5                                     | 765 kV        | GAYA-BALIA               | S/C     | 0               | 429             | 0.0           | 5.8         | -5.8     |        |
| 6                                     | 400 kV        | PUSAULI-VARANASI         | S/C     | 0               | 300             | 0.0           | 6.5         | -6.5     |        |
| 7                                     | 400 kV        | PUSAULI-ALLAHABAD        | S/C     | 0               | 157             | 0.0           | 2.8         | -2.8     |        |
| 8                                     | 400 kV        | MUZAFFARPUR-GORAKHPUR    | D/C     | 0               | 649             | 0.0           | 12.4        | -12.4    |        |
| 9                                     | 400 kV        | PATNA-BALIA              | Q/C     | 0               | 990             | 0.0           | 16.0        | -16.0    |        |
| 10                                    | 400 kV        | BIHARSHARIFF-BALIA       | D/C     | 0               | 319             | 0.0           | 5.1         | -5.1     |        |
| 11                                    | 400 kV        | MOTIHARI-GORAKHPUR       | D/C     | 0               | 323             | 0.0           | 5.4         | -5.4     |        |
| 12                                    | 400 kV        | BIHARSHARIFF-VARANASI    | D/C     | 80              | 144             | 0.0           | 1.1         | -1.1     |        |
| 13                                    | 220 kV        | PUSAULI-SAHUPURI         | S/C     | 0               | 116             | 0.0           | 2.0         | -2.0     |        |
| 14                                    | 132 kV        | SONE NAGAR-RIHAND        | S/C     | 0               | 0               | 0.0           | 0.0         | 0.0      |        |
| 15                                    | 132 kV        | GARWAH-RIHAND            | S/C     | 30              | 0               | 0.5           | 0.0         | 0.5      |        |
| 16                                    | 132 kV        | KARMANASA-SAHUPURI       | S/C     | 0               | 0               | 0.0           | 0.0         | 0.0      |        |
| 17                                    | 132 kV        | KARMANASA-CHANDAULI      | S/C     | 0               | 0               | 0.0           | 0.0         | 0.0      |        |
|                                       |               |                          |         |                 |                 | <b>ER-NR</b>  | 1.1         | 97.8     | -96.7  |
| <b>Import/Export of ER (With WR)</b>  |               |                          |         |                 |                 |               |             |          |        |
| 1                                     | 765 kV        | JHARSUGUDA-DHARAMJAIGARH | Q/C     | 1402            | 0               | 23.0          | 0.0         | 23.0     |        |
| 2                                     | 765 kV        | NEW RANCHI-DHARAMJAIGARH | D/C     | 843             | 74              | 9.1           | 0.0         | 9.1      |        |
| 3                                     | 765 kV        | JHARSUGUDA-DURG          | D/C     | 130             | 88              | 0.1           | 0.0         | 0.1      |        |
| 4                                     | 400 kV        | JHARSUGUDA-RAIGARH       | Q/C     | 278             | 66              | 2.2           | 0.0         | 2.2      |        |
| 5                                     | 400 kV        | RANCHI-SIPAT             | D/C     | 306             | 0               | 3.3           | 0.0         | 3.3      |        |
| 6                                     | 220 kV        | BUDHIPADAR-RAIGARH       | S/C     | 8               | 95              | 0.0           | 1.2         | -1.2     |        |
| 7                                     | 220 kV        | BUDHIPADAR-KORBA         | D/C     | 184             | 0               | 3.4           | 0.0         | 3.4      |        |
|                                       |               |                          |         |                 |                 | <b>ER-WR</b>  | 41.1        | 1.2      | 39.9   |
| <b>Import/Export of ER (With SR)</b>  |               |                          |         |                 |                 |               |             |          |        |
| 1                                     | HVDC          | JEYPORE-GAZUWAKA B/B     | D/C     | 95              | 433             | 0.0           | 7.8         | -7.8     |        |
| 2                                     | HVDC          | TALCHER-KOLAR BIPOLE     | D/C     | 0               | 1835            | 0.0           | 48.0        | -48.0    |        |
| 3                                     | 765 kV        | ANGUL-SRIKAKULAM         | D/C     | 0               | 2754            | 0.0           | 52.4        | -52.4    |        |
| 4                                     | 400 kV        | TALCHER-I/C              | D/C     | 0               | 229             | 0.0           | 3.9         | -3.9     |        |
| 5                                     | 220 kV        | BALIMELA-UPPER-SILERRU   | S/C     | 1               | 0               | 0.0           | 0.0         | 0.0      |        |
|                                       |               |                          |         |                 |                 | <b>ER-SR</b>  | 0.0         | 108.1    | -108.1 |
| <b>Import/Export of ER (With NER)</b> |               |                          |         |                 |                 |               |             |          |        |
| 1                                     | 400 kV        | BINAGURI-BONGAIGAON      | D/C     | 4               | 314             | 0.0           | 1.5         | -1.5     |        |
| 2                                     | 400 kV        | ALIPURDUAR-BONGAIGAON    | D/C     | 177             | 294             | 0.9           | 0.0         | 0.9      |        |
| 3                                     | 220 kV        | ALIPURDUAR-SALAKATI      | D/C     | 23              | 93              | 0.0           | 0.6         | -0.6     |        |
|                                       |               |                          |         |                 |                 | <b>ER-NER</b> | 0.9         | 2.1      | -1.2   |
| <b>Import/Export of NER (With NR)</b> |               |                          |         |                 |                 |               |             |          |        |
| 1                                     | HVDC          | BISWANATH CHARIALI-AGRA  | -       | 0               | 503             | 0.0           | 13.0        | -13.0    |        |
|                                       |               |                          |         |                 |                 | <b>NER-NR</b> | 0.0         | 13.0     | -13.0  |
| <b>Import/Export of WR (With NR)</b>  |               |                          |         |                 |                 |               |             |          |        |
| 1                                     | HVDC          | CHAMPA-KURUKSHETRA       | D/C     | 0               | 1502            | 0.0           | 43.2        | -43.2    |        |
| 2                                     | HVDC          | V'CHAL B/B               | D/C     | 48              | 52              | 0.9           | 0.4         | 0.5      |        |
| 3                                     | HVDC          | APL -MHG                 | D/C     | 0               | 1640            | 0.0           | 32.1        | -32.1    |        |
| 4                                     | 765 kV        | GWALIOR-AGRA             | D/C     | 0               | 2425            | 0.0           | 36.7        | -36.7    |        |
| 5                                     | 765 kV        | PHAGI-GWALIOR            | D/C     | 0               | 1209            | 0.0           | 18.7        | -18.7    |        |
| 6                                     | 765 kV        | JABALPUR-ORAI            | D/C     | 0               | 896             | 0.0           | 25.2        | -25.2    |        |
| 7                                     | 765 kV        | GWALIOR-ORAI             | S/C     | 361             | 0               | 7.2           | 0.0         | 7.2      |        |
| 8                                     | 765 kV        | SATNA-ORAI               | S/C     | 0               | 1498            | 0.0           | 28.9        | -28.9    |        |
| 9                                     | 765 kV        | CHITORGARH-BANASKANTHA   | D/C     | 0               | 1037            | 0.0           | 10.7        | -10.7    |        |
| 10                                    | 400 kV        | ZERDA-KANKROLI           | S/C     | 78              | 109             | 0.0           | 0.0         | 0.0      |        |
| 11                                    | 400 kV        | ZERDA -BHINMAL           | S/C     | 300             | 128             | 0.1           | 0.0         | 0.1      |        |
| 12                                    | 400 kV        | V'CHAL -RIHAND           | S/C     | 959             | 0               | 22.4          | 0.0         | 22.4     |        |
| 13                                    | 400 kV        | RAPP-SHUJALPUR           | D/C     | 101             | 378             | 0.0           | 2.6         | -2.6     |        |
| 14                                    | 220 kV        | BHANPURA-RANPUR          | S/C     | 11              | 0               | 0.0           | 0.7         | -0.7     |        |
| 15                                    | 220 kV        | BHANPURA-MORAK           | S/C     | 0               | 73              | 0.0           | 1.0         | -1.0     |        |
| 16                                    | 220 kV        | MEHGAON-AURAIYA          | S/C     | 91              | 0               | 0.5           | 0.0         | 0.4      |        |
| 17                                    | 220 kV        | MALANPUR-AURAIYA         | S/C     | 65              | 17              | 1.0           | 0.0         | 1.0      |        |
| 18                                    | 132 kV        | GWALIOR-SAWAI MADHOPUR   | S/C     | 0               | 0               | 0.0           | 0.0         | 0.0      |        |
| 19                                    | 132 kV        | RAJGHAT-LALITPUR         | D/C     | 0               | 0               | 0.0           | 0.0         | 0.0      |        |
|                                       |               |                          |         |                 |                 | <b>WR-NR</b>  | 32.0        | 200.1    | -168.1 |
| <b>Import/Export of WR (With SR)</b>  |               |                          |         |                 |                 |               |             |          |        |
| 1                                     | HVDC          | BHADRAWATI B/B           | -       | 0               | 992             | 0.0           | 16.7        | -16.7    |        |
| 2                                     | HVDC          | BARSUR-L.SILERU          | -       | 0               | 0               | 0.0           | 0.0         | 0.0      |        |
| 3                                     | HVDC          | HVDC-RAIGARH-PUGALUR     | D/C     | 0               | 0               | 0.0           | 0.0         | 0.0      |        |
| 4                                     | 765 kV        | SOLAPUR-RAICHUR          | D/C     | 0               | 2342            | 0.0           | 31.0        | -31.0    |        |
| 5                                     | 765 kV        | WARDHA-NIZAMABAD         | D/C     | 0               | 2565            | 0.0           | 40.5        | -40.5    |        |
| 6                                     | 400 kV        | KOLHAPUR-KUDGI           | D/C     | 345             | 213             | 2.8           | 0.0         | 2.8      |        |
| 7                                     | 220 kV        | KOLHAPUR-CHIKODI         | D/C     | 0               | 0               | 0.0           | 0.0         | 0.0      |        |
| 8                                     | 220 kV        | PONDA-AMBEWADI           | S/C     | 1               | 0               | 0.0           | 0.0         | 0.0      |        |
| 9                                     | 220 kV        | XELDEM-AMBEWADI          | S/C     | 0               | 88              | 1.7           | 0.0         | 1.7      |        |
|                                       |               |                          |         |                 |                 | <b>WR-SR</b>  | 4.6         | 88.2     | -83.6  |

**INTERNATIONAL EXCHANGES**

| State      | Region | Line Name                                     | Max (MW) | Min (MW) | Avg (MW) | Energy Exchange (MU) |
|------------|--------|---|----------|----------|----------|----------------------|
| BHUTAN     | ER     | DAGACHU ( 2 * 63 )                            | 0        | 0        | 0        | 0.0                  |
|            | ER     | CHUKA ( 4 * 84 ) BIRPARA RECEIPT              | 324      | 238      | 258      | 6.2                  |
|            | ER     | MANGDECHHU (4 x 180) ALIPURDUAR RECEIPT       | 729      | 579      | 562      | 13.5                 |
|            | ER     | TALA ( 6 * 170 ) BINAGURI RECEIPT             | 1234     | 850      | 985      | 23.6                 |
|            | NER    | 132KV-SALAKATI - GELEPHU                      | 0        | 0        | 35       | 0.8                  |
|            | NER    | 132KV-RANGIA - DEOTHANG                       | 0        | 0        | 49       | 1.2                  |
| NEPAL      | NR     | 132KV-Tanakpur(NH) - Mahendranagar(PG)        | -31      | 0        | -15      | -0.4                 |
|            | ER     | 132KV-BIHAR - NEPAL                           | -94      | 0        | -20      | -0.5                 |
|            | ER     | 220KV-MUZAFFARPUR - DHALKEBAR DC              | -178     | -10      | -62      | -1.5                 |
| BANGLADESH | ER     | Bheramara HVDC(Bangladesh)                    | -956     | -944     | -948     | -22.8                |
|            | NER    | 132KV-SURAJMANI NAGAR - COMILLA(BANGLADESH)-1 | 83       | 0        | -75      | -1.8                 |
|            | NER    | 132KV-SURAJMANI NAGAR - COMILLA(BANGLADESH)-2 | 84       | 0        | -75      | -1.8                 |