



**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: 20<sup>th</sup> Dec 2021

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., डोंगतेह, 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 19.12.2021.**

महोदय/Dear Sir,

आईईजीसी-2010 की धारा स.-5.5.1 के प्रावधान के अनुसार, दिनांक 19-दिसंबर-2021 की अखिल भारतीय प्रणाली की दैनिक ग्रिड निष्पादन रिपोर्ट रांभांप्रेके 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 19<sup>th</sup> December 2021, 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: 20-Dec-2021

A. Power Supply Position at All India and Regional level

|   | NR    | WR    | SR     | ER    | NER   | TOTAL  |
|---|-------|-------|--------|-------|-------|--------|
| Demand Met during Evening Peak hrs(MW) (at 19:00 hrs; from RLDCs) | 49838 | 52109 | 35520  | 18712 | 2409  | 158588 |
| Peak Shortage (MW)  | 250   | 0     | 0      | 231   | 0     | 481    |
| Energy Met (MU)   | 1017  | 1215  | 838    | 368   | 44    | 3481   |
| Hydro Gen (MU)  | 107   | 29    | 66     | 29    | 10    | 241    |
| Wind Gen (MU)   | 6     | 90    | 54     | -     | -     | 151    |
| Solar Gen (MU)*   | 68.13 | 41.86 | 103.87 | 4.72  | 0.28  | 219    |
| Energy Shortage (MU)  | 4.65  | 0.00  | 0.00   | 2.60  | 0.00  | 7.25   |
| Maximum Demand Met During the Day (MW) (From NLDC SCADA)          | 53287 | 58928 | 41381  | 18730 | 2506  | 169689 |
| Time Of Maximum Demand Met (From NLDC SCADA)                      | 10:36 | 11:01 | 09:40  | 18:30 | 17:51 | 10:51  |

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 | 0.047 | 0.00   | 0.00        | 1.81        | 1.81   | 62.72        | 35.47   |

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               | 6539                              | 0                                  | 129.5           | 69.9                 | -0.9             | 297         | 0.00                 |
|             | Haryana              | 6674                              | 0                                  | 125.4           | 78.6                 | 0.6              | 133         | 0.00                 |
|             | Rajasthan            | 15198                             | 0                                  | 268.0           | 82.2                 | 0.4              | 347         | 0.00                 |
|             | Delhi                | 4080                              | 0                                  | 63.9            | 55.1                 | -3.0             | 316         | 0.00                 |
|             | UP                   | 17361                             | 0                                  | 306.6           | 102.1                | -1.4             | 408         | 0.00                 |
|             | Uttarakhand          | 2095                              | 0                                  | 38.5            | 26.6                 | -0.5             | 168         | 0.00                 |
|             | HP                   | 1821                              | 0                                  | 32.9            | 26.0                 | -0.8             | 197         | 0.00                 |
|             | J&K(UT) & Ladakh(UT) | 2426                              | 250                                | 48.7            | 45.0                 | -1.4             | 125         | 4.65                 |
| WR          | Chandigarh           | 218                               | 0                                  | 3.6             | 3.8                  | -0.2             | 50          | 0.00                 |
|             | Chhattisgarh         | 3743                              | 0                                  | 81.1            | 30.2                 | -0.1             | 238         | 0.00                 |
|             | Gujarat              | 16348                             | 0                                  | 329.4           | 167.2                | -0.4             | 488         | 0.00                 |
|             | MP                   | 15238                             | 0                                  | 287.0           | 179.2                | -1.9             | 551         | 0.00                 |
|             | Maharashtra          | 22811                             | 0                                  | 463.6           | 134.7                | -0.7             | 909         | 0.00                 |
|             | Goa                  | 485                               | 0                                  | 10.1            | 9.8                  | -0.3             | 31          | 0.00                 |
|             | DD                   | 293                               | 0                                  | 5.5             | 5.5                  | 0.0              | 21          | 0.00                 |
|             | DNH                  | 815                               | 0                                  | 18.9            | 18.8                 | 0.1              | 42          | 0.00                 |
| SR          | AMNSIL               | 854                               | 0                                  | 18.9            | 8.8                  | 0.0              | 283         | 0.00                 |
|             | Andhra Pradesh       | 8405                              | 0                                  | 160.4           | 69.5                 | 1.0              | 563         | 0.00                 |
|             | Telangana            | 9246                              | 0                                  | 174.6           | 68.5                 | 0.9              | 578         | 0.00                 |
|             | Karnataka            | 9152                              | 0                                  | 168.6           | 30.1                 | -1.2             | 1015        | 0.00                 |
|             | Kerala               | 3414                              | 0                                  | 69.4            | 50.7                 | 0.0              | 168         | 0.00                 |
|             | Tamil Nadu           | 11945                             | 0                                  | 258.6           | 149.4                | 0.8              | 630         | 0.00                 |
|             | Puducherry           | 301                               | 0                                  | 6.2             | 6.7                  | -0.5             | 24          | 0.00                 |
|             | ER                   | Bihar                             | 4524                               | 0               | 78.0                 | 70.6             | 0.6         | 560                  |
| DVC         |                      | 3157                              | 0                                  | 66.0            | -42.2                | -1.3             | 320         | 2.19                 |
| Jharkhand   |                      | 1678                              | 0                                  | 31.1            | 21.1                 | -0.3             | 179         | 0.42                 |
| Odisha      |                      | 4911                              | 0                                  | 88.7            | 31.6                 | -0.2             | 555         | 0.00                 |
| West Bengal |                      | 5418                              | 0                                  | 103.0           | -18.3                | 0.5              | 351         | 0.00                 |
| Sikkim      |                      | 95                                | 0                                  | 1.5             | 1.7                  | -0.2             | 40          | 0.00                 |
| NER         | Arunachal Pradesh    | 126                               | 0                                  | 2.2             | 2.2                  | -0.1             | 98          | 0.00                 |
|             | Assam                | 1375                              | 0                                  | 23.4            | 17.0                 | -0.2             | 75          | 0.00                 |
|             | Manipur              | 219                               | 0                                  | 3.2             | 3.3                  | 0.0              | 32          | 0.00                 |
|             | Meghalaya            | 384                               | 0                                  | 7.2             | 5.7                  | 0.3              | 58          | 0.00                 |
|             | Mizoram              | 118                               | 0                                  | 1.7             | 1.5                  | -0.1             | 8           | 0.00                 |
|             | Nagaland             | 128                               | 0                                  | 2.5             | 2.3                  | 0.1              | 17          | 0.00                 |
|             | Tripura              | 215                               | 0                                  | 3.3             | 1.5                  | -0.1             | 44          | 0.00                 |

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

|               | Bhutan | Nepal | Bangladesh |
|---------------|--------|-------|------------|
| Actual (MU)   | 5.3    | -4.9  | -16.7      |
| Day Peak (MW) | 275.0  | 97.2  | -855.0     |

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

|              | NR    | WR     | SR   | ER     | NER  | TOTAL |
|--------------|-------|--------|------|--------|------|-------|
| Schedule(MU) | 227.8 | -131.3 | 68.4 | -162.2 | -2.8 | 0.0   |
| Actual(MU)   | 208.7 | -119.4 | 61.1 | -155.3 | -1.1 | -6.0  |
| O/D/U/D(MU)  | -19.2 | 11.9   | -7.3 | 6.9    | 1.7  | -6.0  |

F. Generation Outage(MW)

|                | NR    | WR    | SR    | ER   | NER | TOTAL | % Share |
|----------------|-------|-------|-------|------|-----|-------|---------|
| Central Sector | 6422  | 14728 | 7732  | 2010 | 380 | 31272 | 42      |
| State Sector   | 10741 | 17746 | 11031 | 3708 | 11  | 43236 | 58      |
| Total          | 17163 | 32473 | 18763 | 5718 | 391 | 74507 | 100     |

G. Sourcewise generation (MU)

|                                     | NR  | WR   | SR  | ER  | NER | All India | % Share |
|-------------------------------------|-----|------|-----|-----|-----|-----------|---------|
| Coal                                | 558 | 1131 | 423 | 515 | 10  | 2637      | 74      |
| Lignite                             | 24  | 9    | 34  | 0   | 0   | 67        | 2       |
| Hydro                               | 107 | 29   | 66  | 29  | 10  | 241       | 7       |
| Nuclear                             | 32  | 33   | 70  | 0   | 0   | 135       | 4       |
| Gas, Naptha & Diesel                | 15  | 9    | 9   | 0   | 29  | 62        | 2       |
| RES (Wind, Solar, Biomass & Others) | 100 | 133  | 185 | 5   | 0   | 424       | 12      |
| Total                               | 834 | 1345 | 788 | 548 | 49  | 3564      | 100     |

|  |       |       |       |      |       |       |
|--|-------|-------|-------|------|-------|-------|
| Share of RES in total generation (%)                                     | 11.95 | 9.92  | 23.54 | 0.86 | 0.57  | 11.88 |
| Share of Non-fossil fuel (Hydro, Nuclear and RES) in total generation(%) | 28.57 | 14.54 | 40.78 | 6.13 | 20.57 | 22.41 |

H. All India Demand Diversity Factor

|                               |       |
|-------------------------------|-------|
| Based on Regional Max Demands | 1.030 |
| Based on State Max Demands    | 1.071 |

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: 20-Dec-2021

| 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              | -              | 2               | 0               | 0.0         | 0.0         | 0.0      |        |
| 3                                     | 765 kV        | GAYA-VARANASI            | 2              | 0               | 932             | 0.0         | 10.5        | -10.5    |        |
| 4                                     | 765 kV        | SASARAM-FATEHPUR         | 1              | 0               | 555             | 0.0         | 7.7         | -7.7     |        |
| 5                                     | 765 kV        | GAYA-BALIA               | 1              | 0               | 573             | 0.0         | 10.2        | -10.2    |        |
| 6                                     | 400 kV        | PUSAULI-VARANASI         | 1              | 58              | 89              | 0.0         | 0.2         | -0.2     |        |
| 7                                     | 400 kV        | PUSAULI-ALLAHABAD        | 1              | 7               | 147             | 0.0         | 1.6         | -1.6     |        |
| 8                                     | 400 kV        | MUZAFFARPUR-GORAKHPUR    | 2              | 0               | 778             | 0.0         | 9.5         | -9.5     |        |
| 9                                     | 400 kV        | PATNA-BALIA              | 4              | 0               | 1390            | 0.0         | 21.9        | -21.9    |        |
| 10                                    | 400 kV        | BIHARSHARIF-BALIA        | 2              | 0               | 405             | 0.0         | 5.1         | -5.1     |        |
| 11                                    | 400 kV        | MOTIHARI-GORAKHPUR       | 2              | 0               | 520             | 0.0         | 8.1         | -8.1     |        |
| 12                                    | 400 kV        | BIHARSHARIF-VARANASI     | 2              | 0               | 290             | 0.0         | 4.4         | -4.4     |        |
| 13                                    | 220 kV        | PUSAULI-SAHUPURI         | 1              | 0               | 213             | 0.0         | 1.4         | -1.4     |        |
| 14                                    | 132 kV        | SONE NAGAR-RIHAND        | 1              | 0               | 25              | 0.0         | 0.0         | 0.0      |        |
| 15                                    | 132 kV        | GARWAH-RIHAND            | 1              | 25              | 0               | 0.3         | 0.0         | 0.3      |        |
| 16                                    | 132 kV        | KARMANASA-SAHUPURI       | 1              | 0               | 0               | 0.0         | 0.0         | 0.0      |        |
| 17                                    | 132 kV        | KARMANASA-CHANDAULI      | 1              | 0               | 0               | 0.0         | 0.0         | 0.0      |        |
|                                       |               |                          |                |                 |                 | ER-NR       | 0.3         | 80.5     | -80.2  |
| <b>Import/Export of ER (With WR)</b>  |               |                          |                |                 |                 |             |             |          |        |
| 1                                     | 765 kV        | JHARSUGUDA-DHARAMJAIGARH | 4              | 746             | 698             | 0.6         | 0.0         | 0.6      |        |
| 2                                     | 765 kV        | NEW RANCHI-DHARAMJAIGARH | 2              | 111             | 1007            | 0.0         | 8.0         | -8.0     |        |
| 3                                     | 765 kV        | JHARSUGUDA-DURG          | 2              | 35              | 372             | 0.0         | 4.5         | -4.5     |        |
| 4                                     | 400 kV        | JHARSUGUDA-RAIGARH       | 4              | 166             | 441             | 0.0         | 4.1         | -4.1     |        |
| 5                                     | 400 kV        | RANCHI-SIPAT             | 2              | 87              | 361             | 0.0         | 2.3         | -2.3     |        |
| 6                                     | 220 kV        | BUDHIPADAR-RAIGARH       | 1              | 0               | 153             | 0.0         | 2.0         | -2.0     |        |
| 7                                     | 220 kV        | BUDHIPADAR-KORBA         | 2              | 63              | 32              | 0.3         | 0.0         | 0.3      |        |
|                                       |               |                          |                |                 |                 | ER-WR       | 0.9         | 20.9     | -20.0  |
| <b>Import/Export of ER (With SR)</b>  |               |                          |                |                 |                 |             |             |          |        |
| 1                                     | HVDC          | JEYPORE-GAZUWAKA B/B     | 2              | 393             | 0               | 7.6         | 0.0         | 7.6      |        |
| 2                                     | HVDC          | TALCHER-KOLAR BIPOLE     | 2              | 0               | 1969            | 0.0         | 35.4        | -35.4    |        |
| 3                                     | 765 kV        | ANGUL-SRIKAKULAM         | 2              | 0               | 3093            | 0.0         | 53.0        | -53.0    |        |
| 4                                     | 400 kV        | TALCHER/JC               | 2              | 1081            | 644             | 2.0         | 0.0         | 2.0      |        |
| 5                                     | 220 kV        | BALIMELA-UPPER-SILERRU   | 1              | 2               | 0               | 0.0         | 0.0         | 0.0      |        |
|                                       |               |                          |                |                 |                 | ER-SR       | 7.6         | 88.4     | -80.8  |
| <b>Import/Export of ER (With NER)</b> |               |                          |                |                 |                 |             |             |          |        |
| 1                                     | 400 kV        | BINAGURI-BONGAIGAON      | 2              | 38              | 333             | 0.0         | 4.4         | -4.4     |        |
| 2                                     | 400 kV        | ALIPURDUAR-BONGAIGAON    | 2              | 65              | 474             | 0.0         | 6.1         | -6.1     |        |
| 3                                     | 220 kV        | ALIPURDUAR-SALAKATI      | 2              | 4               | 88              | 0.0         | 1.0         | -1.0     |        |
|                                       |               |                          |                |                 |                 | ER-NER      | 0.0         | 11.6     | -11.6  |
| <b>Import/Export of NER (With NR)</b> |               |                          |                |                 |                 |             |             |          |        |
| 1                                     | HVDC          | BISWANATH CHARIALI-AGRA  | 2              | 0               | 503             | 0.0         | 12.2        | -12.2    |        |
|                                       |               |                          |                |                 |                 | NER-NR      | 0.0         | 12.2     | -12.2  |
| <b>Import/Export of WR (With NR)</b>  |               |                          |                |                 |                 |             |             |          |        |
| 1                                     | HVDC          | CHAMPA-KURUKSHETRA       | 2              | 0               | 2499            | 0.0         | 49.7        | -49.7    |        |
| 2                                     | HVDC          | VINDHYACHAL B/B          | -              | 448             | 0               | 8.4         | 0.0         | 8.4      |        |
| 3                                     | HVDC          | MUNDRU-MOHENDERGARH      | 2              | 0               | 255             | 0.0         | 6.2         | -6.2     |        |
| 4                                     | 765 kV        | GWALIOR-AGRA             | 2              | 0               | 1585            | 0.0         | 23.7        | -23.7    |        |
| 5                                     | 765 kV        | GWALIOR-PHAGI            | 2              | 0               | 1953            | 0.0         | 29.6        | -29.6    |        |
| 6                                     | 765 kV        | JABALPUR-ORAI            | 2              | 0               | 825             | 0.0         | 24.7        | -24.7    |        |
| 7                                     | 765 kV        | GWALIOR-ORAI             | 1              | 929             | 0               | 16.1        | 0.0         | 16.1     |        |
| 8                                     | 765 kV        | SATNA-ORAI               | 1              | 0               | 973             | 0.0         | 18.2        | -18.2    |        |
| 9                                     | 765 kV        | BANASKANTHA-CHITORGARH   | 2              | 1331            | 0               | 15.7        | 0.0         | 15.7     |        |
| 10                                    | 765 kV        | VINDHYACHAL-VARANASI     | 2              | 0               | 2285            | 0.0         | 38.3        | -38.3    |        |
| 11                                    | 400 kV        | ZERDA-KANKROLI           | 1              | 239             | 0               | 3.5         | 0.0         | 3.5      |        |
| 12                                    | 400 kV        | ZERDA-BHINMAL            | 1              | 251             | 96              | 2.3         | 0.0         | 2.3      |        |
| 13                                    | 400 kV        | VINDHYACHAL-RIHAND       | 1              | 974             | 0               | 21.5        | 0.0         | 21.5     |        |
| 14                                    | 400 kV        | RAPP-SHUJALPUR           | 2              | 120             | 132             | 0.0         | 1.1         | -1.1     |        |
| 15                                    | 220 kV        | BHANPUR-RANPUR           | 1              | 0               | 0               | 0.0         | 0.0         | 0.0      |        |
| 16                                    | 220 kV        | BHANPUR-MORAK            | 1              | 0               | 30              | 1.5         | 0.1         | 1.4      |        |
| 17                                    | 220 kV        | MEHGAON-AURAIYA          | 1              | 149             | 0               | 1.3         | 0.0         | 1.3      |        |
| 18                                    | 220 kV        | MALANPUR-AURAIYA         | 1              | 99              | 0               | 2.3         | 0.0         | 2.3      |        |
| 19                                    | 132 kV        | GWALIOR-SAWALMADHOPUR    | 1              | 0               | 0               | 0.0         | 0.0         | 0.0      |        |
| 20                                    | 132 kV        | RAJGHAT-LALITPUR         | 2              | 0               | 0               | 0.0         | 0.0         | 0.0      |        |
|                                       |               |                          |                |                 |                 | WR-NR       | 72.6        | 191.6    | -119.0 |
| <b>Import/Export of WR (With SR)</b>  |               |                          |                |                 |                 |             |             |          |        |
| 1                                     | HVDC          | BHADRAWATI B/B           | -              | 990             | 515             | 6.6         | 5.8         | 0.7      |        |
| 2                                     | HVDC          | RAIGARH-PUGALUR          | 2              | 2408            | 1002            | 0.4         | 0.0         | 0.4      |        |
| 3                                     | 765 kV        | SOLAPUR-RAICHUR          | 2              | 1034            | 1373            | 0.0         | 6.8         | -6.8     |        |
| 4                                     | 765 kV        | WARDHA-NIZAMABAD         | 2              | 0               | 2605            | 0.0         | 37.2        | -37.2    |        |
| 5                                     | 400 kV        | KOLHAPUR-KUDGI           | 2              | 1409            | 0               | 21.4        | 0.0         | 21.4     |        |
| 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              | 1               | 102             | 1.1         | 0.0         | 1.1      |        |
|                                       |               |                          |                |                 |                 | WR-SR       | 29.5        | 49.9     | -20.4  |

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)  | 97       | 0        | 66       | 1.6                  |
|            | ER     | 400kV TALA-BINAGURI 1,2,3 (& 400kV MALBASE - BINAGURI) i.e. BINAGURI RECEIPT (from TALA HEP (6*170MW) 220kV CHUKHA-BIRPARA 1&2 (& 220kV MALBASE - BIRPARA) i.e. BIRPARA RECEIPT (from CHUKHA HEP 4*84MW) | 152      | 149      | 152      | 3.8                  |
|            | ER     | 132kV GELEPHU-SALAKATI   | 8        | 0        | 3        | 0.1                  |
|            | NER    | 132kV MOTANGA-RANGIA   | 7        | 0        | 2        | 0.1                  |
|            | NR     | 132kV MAHENDRANAGAR-TANAKPUR(NHPC)   | -46      | 0        | -8       | -0.2                 |
| NEPAL      | ER     | NEPAL IMPORT (FROM BIHAR)  | -146     | 0        | -20      | -0.5                 |
|            | ER     | 400kV DHALKEBAR-MUZAFFARPUR 1&2  | 289      | 53       | -176     | -4.2                 |
| BANGLADESH | ER     | BHERAMARA B/B HVDC (BANGLADESH)  | -736     | -402     | -614     | -14.7                |
|            | NER    | 132kV COMILLA-SURAJMANI NAGAR 1&2  | -119     | 0        | -82      | -2.0                 |