

**National Load Despatch Centre  
Total Transfer Capability for January 2020**

Issue Date: 23rd January 2020

Issue Time: 1300 hrs

Revision No. 13

| Corridor                              | Date                                  | Time Period (hrs) | Total Transfer Capability (TTC) | Reliability Margin | Available Transfer Capability (ATC) | Long Term Access (LTA)/ Medium Term Open Access (MTOA) # | Margin Available for Short Term Open Access (STOA) | Changes in TTC w.r.t. Last Revision | Comments |
|---------------------------------------|---------------------------------------|-------------------|---------------------------------|--------------------|-------------------------------------|--|--|-------------------------------------|----------|
| NR-WR*                                | 1st January 2020 to 31st January 2020 | 00-06             | 2500                            | 500                | 2000                                | 195  | 1805   |                                     |          |
|                                       |                                       | 06-18             |                                 |                    |                                     | 250  | 1750   |                                     |          |
|                                       |                                       | 18-24             |                                 |                    |                                     | 195  | 1805   |                                     |          |
| WR-NR*                                | 1st January 2020 to 2nd January 2020  | 00-06             | 14900                           | 500                | 14400                               | 10231  | 4169   |                                     |          |
|                                       |                                       |                   | 13950**                         |                    | 13450**                             | 9281**   | 4169**   |                                     |          |
|                                       |                                       | 06-18             | 14900                           | 500                | 14400                               | 10420  | 3980   |                                     |          |
|                                       |                                       |                   | 13950**                         |                    | 13450**                             | 9470**   | 3980**   |                                     |          |
|                                       |                                       | 18-24             | 14900                           | 500                | 14400                               | 10231  | 4169   |                                     |          |
|                                       |                                       |                   | 13950**                         |                    | 13450**                             | 9281**   | 4169**   |                                     |          |
|                                       | 3rd January 2020 to 4th January 2020  | 00-06             | 14900                           | 500                | 14400                               | 10231  | 4169   |                                     |          |
|                                       |                                       |                   | 13950**                         |                    | 13450**                             | 9281**   | 4169**   |                                     |          |
|                                       |                                       | 06-0830           | 14900                           | 500                | 14400                               | 10420  | 3980   |                                     |          |
|                                       |                                       |                   | 13950**                         |                    | 13450**                             | 9470**   | 3980**   |                                     |          |
|                                       |                                       | 0830-18           | 13800                           | 500                | 13300                               | 10420  | 2880   |                                     |          |
|                                       |                                       |                   | 12850**                         |                    | 12350**                             | 9470**   | 2880**   |                                     |          |
|                                       | 5th January 2020 to 6th January 2020  | 18-24             | 13800                           | 500                | 13300                               | 10231  | 3069   |                                     |          |
|                                       |                                       |                   | 12850**                         |                    | 12350**                             | 9281**   | 3069**   |                                     |          |
|                                       |                                       | 00-06             | 14900                           | 500                | 14400                               | 10231  | 4169   |                                     |          |
|                                       |                                       |                   | 13950**                         |                    | 13450**                             | 9281**   | 4169**   |                                     |          |
|                                       |                                       | 06-0830           | 14900                           | 500                | 14400                               | 10420  | 3980   |                                     |          |
|                                       |                                       |                   | 13950**                         |                    | 13450**                             | 9470**   | 3980**   |                                     |          |
|                                       | 7th January 2020                      | 0830-18           | 13800                           | 500                | 13300                               | 10420  | 2880   |                                     |          |
|                                       |                                       |                   | 12850**                         |                    | 12350**                             | 9470**   | 2880**   |                                     |          |
|                                       |                                       | 18-24             | 13800                           | 500                | 13300                               | 10231  | 3069   |                                     |          |
|                                       |                                       |                   | 12850**                         |                    | 12350**                             | 9281**   | 3069**   |                                     |          |
|                                       |                                       | 00-06             | 14900                           | 500                | 14400                               | 10231  | 4169   |                                     |          |
|                                       |                                       |                   | 13950**                         |                    | 13450**                             | 9281**   | 4169**   |                                     |          |
| 8th January 2020 to 13th January 2020 | 06-0830                               | 14900             | 500                             | 14400              | 10420                               | 3980   |  |                                     |          |
|                                       |                                       | 13950**           |                                 | 13450**            | 9470**                              | 3980**   |  |                                     |          |
|                                       | 0830-18                               | 14400             | 500                             | 13900              | 10420                               | 3480   |  |                                     |          |
|                                       |                                       | 13450**           |                                 | 12950**            | 9470**                              | 3480**   |  |                                     |          |
|                                       | 18-24                                 | 14400             | 500                             | 13900              | 10231                               | 3669   |  |                                     |          |
|                                       |                                       | 13450**           |                                 | 12950**            | 9281**                              | 3669**   |  |                                     |          |
| 8th January 2020 to 13th January 2020 | 00-06                                 | 14900             | 500                             | 14400              | 10231                               | 4169   |  |                                     |          |
|                                       |                                       | 13950**           |                                 | 13450**            | 9281**                              | 4169**   |  |                                     |          |
|                                       | 06-18                                 | 14900             | 500                             | 14400              | 10420                               | 3980   |  |                                     |          |
|                                       |                                       | 13950**           |                                 | 13450**            | 9470**                              | 3980**   |  |                                     |          |
|                                       | 18-24                                 | 14900             | 500                             | 14400              | 10231                               | 4169   |  |                                     |          |
|                                       |                                       | 13950**           |                                 | 13450**            | 9281**                              | 4169**   |  |                                     |          |

**National Load Despatch Centre  
Total Transfer Capability for January 2020**

Issue Date: 23rd January 2020

Issue Time: 1300 hrs

Revision No. 13

| Corridor | Date                                   | Time Period (hrs) | Total Transfer Capability (TTC) | Reliability Margin | Available Transfer Capability (ATC) | Long Term Access (LTA)/ Medium Term Open Access (MTOA) # | Margin Available for Short Term Open Access (STOA) | Changes in TTC w.r.t. Last Revision | Comments   |
|----------|--|-------------------|---------------------------------|--------------------|-------------------------------------|--|--|-------------------------------------|--|
| WR-NR*   | 14th January 2020 to 15th January 2020 | 00-06             | 14900                           | 500                | 14400                               | 10231  | 4169   |                                     |  |
|          |  |                   | 13950**                         |                    | 13450**                             | 9281**   | 4169**   |                                     |  |
|          |  | 06-0730           | 14900                           | 500                | 14400                               | 10420  | 3980   |                                     |  |
|          |  |                   | 13950**                         |                    | 13450**                             | 9470**   | 3980**   |                                     |  |
|          |  | 0730-18           | 13900                           | 500                | 13400                               | 10420  | 2980   |                                     |  |
|          |  |                   | 12950**                         |                    | 12450**                             | 9470**   | 2980**   |                                     |  |
|          | 18-24                                  | 13900             | 500                             | 13400              | 10231                               | 3169   |  |                                     |  |
|          |  | 12950**           |                                 | 12450**            | 9281**                              | 3169**   |  |                                     |  |
|          | 16th January 2020 to 31st January 2020 | 00-06             | 14900                           | 500                | 14400                               | 10231  | 4169   |                                     |  |
|          |  |                   | 13950**                         |                    | 13450**                             | 9281**   | 4169**   |                                     |  |
|          |  | 06-18             | 14900                           | 500                | 14400                               | 10420  | 3980   |                                     |  |
|          |  |                   | 13950**                         |                    | 13450**                             | 9470**   | 3980**   |                                     |  |
| 18-24    |  | 14900             | 500                             | 14400              | 10231                               | 4169   |  |                                     |  |
|          |  | 13950**           |                                 | 13450**            | 9281**                              | 4169**   |  |                                     |  |
| NR-ER*   | 1st January 2020 to 31st January 2020  | 00-06             | 2000                            | 200                | 1800                                | 193  | 1607   |                                     |  |
|          |  | 06-18             | 2000                            |                    | 1800                                | 303  | 1497   |                                     |  |
|          |  | 18-24             | 2000                            |                    | 1800                                | 193  | 1607   |                                     |  |
| ER-NR*   | 1st January 2020 to 31st January 2020  | 00-24             | 5250                            | 300                | 4950                                | 4050   | 900  |                                     |  |
| W3-ER    | 1st January 2020 to 31st January 2020  | 00-24             | No limit is being specified.    |                    |                                     |  |  |                                     |  |
| ER-W3    | 1st January 2020 to 31st January 2020  | 00-24             | No limit is being specified.    |                    |                                     |  |  |                                     |  |
| WR-SR    | 1st January 2020 to 6th January 2020   | 00-05             | 5050                            | 500                | 4550                                | 4035   | 515  |                                     |  |
|          |  | 05-22             | 5050                            |                    | 4550                                |  | 515  |                                     |  |
|          |  | 22-24             | 5050                            |                    | 4550                                |  | 515  |                                     |  |
|          | 7th January 2020 to 19th January 2020  | 00-05             | 5550                            | 500                | 5050                                | 4035   | 1015   |                                     |  |
|          |  | 05-22             | 5550                            |                    | 5050                                |  | 1015   |                                     |  |
|          |  | 22-24             | 5550                            |                    | 5050                                |  | 1015   |                                     |  |
|          | 20th January 2020                      | 00-05             | 5050                            | 500                | 4550                                | 4035   | 515  |                                     |  |
|          |  | 05-22             | 5050                            |                    | 4550                                |  | 515  |                                     |  |
|          |  | 22-24             | 5050                            |                    | 4550                                |  | 515  |                                     |  |
|          | 21st January 2020                      | 00-05             | 5150                            | 500                | 4650                                | 4035   | 615  |                                     |  |
|          |  | 05-22             | 5150                            |                    | 4650                                |  | 615  |                                     |  |
|          |  | 22-24             | 5150                            |                    | 4650                                |  | 615  |                                     |  |
|          | 22nd January 2020 to 23rd January 2020 | 00-05             | 5150                            | 500                | 4650                                | 4035   | 615  |                                     |  |
|          |  | 05-22             | 5150                            |                    | 4650                                |  | 615  |                                     |  |
|          |  | 22-24             | 5150                            |                    | 4650                                |  | 615  |                                     |  |
|          | 24th January 2020 to 31st January 2020 | 00-05             | 5050                            | 500                | 4550                                | 4035   | 515  | -500                                | Revised due to forced outage/frequent tripping of Pole-1 at HVDC Bhadravathi |
|          |  | 05-22             | 5050                            |                    | 4550                                |  | 515  |                                     |  |
|          |  | 22-24             | 5050                            |                    | 4550                                |  | 515  |                                     |  |
| SR-WR *  | 1st January 2020 to 31st January 2020  | 00-24             | No limit is being Specified.    |                    |                                     |  |  |                                     |  |
| ER-SR    | 1st January 2020 to 9th January 2020   | 00-06             | 4950                            | 250                | 4700                                | 2663   | 2037   |                                     |  |
|          |  | 06-18             |                                 |                    |                                     | 2748   | 1952   |                                     |  |
|          |  | 18-24             |                                 |                    |                                     | 2663   | 2037   |                                     |  |
|          | 10th January 2020                      | 00-05             | 4950                            | 250                | 3700                                | 2663   | 2037   |                                     |  |
|          |  | 05-06             | 3950                            |                    |                                     | 2663   | 1037   |                                     |  |
|          |  | 06-18             | 2950                            |                    |                                     | 250  | 2700   |                                     |  |
| 18-24    | 2663                                   | 37                |                                 |                    |                                     |  |  |                                     |  |



**Simultaneous Import Capability**

| Corridor                             | Date                                 | Time Period (hrs) | Total Transfer Capability (TTC) | Reliability Margin | Available Transfer Capability (ATC) | Long Term Access (LTA)/ Medium Term Open Access (MTOA) | Margin Available for Short Term Open Access (STOA) | Changes in TTC w.r.t. Last Revision | Comments |
|--------------------------------------|--------------------------------------|-------------------|---------------------------------|--------------------|-------------------------------------|--|--|-------------------------------------|----------|
| NR                                   | 1st January 2020 to 2nd January 2020 | 00-06             | 20400                           | 800                | 19600                               | 14281  | 5319   |                                     |          |
|                                      |                                      |                   | 19450**                         |                    | 18650**                             | 13331**  |  |                                     |          |
|                                      |                                      | 06-09             | 21900                           |                    | 21100                               | 14470  | 6630   |                                     |          |
|                                      |                                      |                   | 20950**                         |                    | 20150**                             | 13520**  |  |                                     |          |
|                                      |                                      | 09-17             | 20400                           |                    | 19600                               | 14470  | 5130   |                                     |          |
|                                      |                                      |                   | 19450**                         |                    | 18650**                             | 13520**  |  |                                     |          |
|                                      | 17-18                                | 19850             | 19050                           | 14470              | 4580                                |  |  |                                     |          |
|                                      |                                      | 18900**           | 18100**                         | 13520**            |                                     |  |  |                                     |          |
|                                      | 18-24                                | 19850             | 19050                           | 14281              | 4769                                |  |  |                                     |          |
|                                      |                                      | 18900**           | 18100**                         | 13331**            |                                     |  |  |                                     |          |
|                                      | 3rd January 2020 to 4th January 2020 | 00-06             | 20400                           | 800                | 19600                               | 14281  | 5319   |                                     |          |
|                                      |                                      |                   | 19450**                         |                    | 18650**                             | 13331**  |  |                                     |          |
|                                      |                                      | 06-0830           | 21900                           |                    | 21100                               | 14470  | 6630   |                                     |          |
|                                      |                                      |                   | 20950**                         |                    | 20150**                             | 13520**  |  |                                     |          |
|                                      |                                      | 0830-09           | 20300                           |                    | 19500                               | 14470  | 5030   |                                     |          |
|                                      |                                      |                   | 19350**                         |                    | 18550**                             | 13520**  |  |                                     |          |
|                                      | 09-17                                | 18900             | 18100                           | 14470              | 3630                                |  |  |                                     |          |
|                                      |                                      | 17950**           | 17150**                         | 13520**            |                                     |  |  |                                     |          |
|                                      | 17-18                                | 18400             | 17600                           | 14470              | 3130                                |  |  |                                     |          |
|                                      |                                      | 17450**           | 16650**                         | 13520**            |                                     |  |  |                                     |          |
|                                      | 18-24                                | 18400             | 17600                           | 14281              | 3319                                |  |  |                                     |          |
| 17450**                              |                                      | 16650**           | 13331**                         |                    |                                     |  |  |                                     |          |
| 5th January 2020 to 6th January 2020 | 00-06                                | 20400             | 800                             | 19600              | 14281                               | 5319   |  |                                     |          |
|                                      |                                      | 19450**           |                                 | 18650**            | 13331**                             |  |  |                                     |          |
|                                      | 06-0830                              | 21900             |                                 | 21100              | 14470                               | 6630   |  |                                     |          |
|                                      |                                      | 20950**           |                                 | 20150**            | 13520**                             |  |  |                                     |          |
|                                      | 0830-09                              | 20300             |                                 | 19500              | 14470                               | 5030   |  |                                     |          |
|                                      |                                      | 19350**           |                                 | 18550**            | 13520**                             |  |  |                                     |          |
| 09-17                                | 18900                                | 18100             | 14470                           | 3630               |                                     |  |  |                                     |          |
|                                      | 17950**                              | 17150**           | 13520**                         |                    |                                     |  |  |                                     |          |
| 17-18                                | 18400                                | 17600             | 14470                           | 3130               |                                     |  |  |                                     |          |
|                                      | 17450**                              | 16650**           | 13520**                         |                    |                                     |  |  |                                     |          |
| 18-24                                | 18400                                | 17600             | 14281                           | 3319               |                                     |  |  |                                     |          |
|                                      | 17450**                              | 16650**           | 13331**                         |                    |                                     |  |  |                                     |          |

|  |  |         |         |         |         |         |      |  |  |
|--|--|---------|---------|---------|---------|---------|------|--|--|
| NR   | 7th January<br>2020                          | 00-06   | 20400   | 800     | 19600   | 14281   | 5319 |  |  |
|  |  |         | 19450** |         | 18650** | 13331** |      |  |  |
|  |  | 06-0830 | 21900   |         | 21100   | 14470   | 6630 |  |  |
|  |  |         | 20950** |         | 20150** | 13520** |      |  |  |
|  |  | 0830-09 | 21200   |         | 20400   | 14470   | 5930 |  |  |
|  |  |         | 20250** |         | 19450** | 13520** |      |  |  |
|  |  | 09-17   | 19750   |         | 18950   | 14470   | 4480 |  |  |
|  | 18800**                                      |         | 18000** | 13520** |         |         |      |  |  |
|  | 17-18  | 19200   | 18400   | 14470   | 3930    |         |      |  |  |
|  |  | 18250** | 17450** | 13520** |         |         |      |  |  |
|  | 18-24  | 19200   | 18400   | 14281   | 4119    |         |      |  |  |
|  |  | 18250** | 17450** | 13331** |         |         |      |  |  |
|  | 8th January<br>2020 to 13th<br>January 2020  | 00-06   | 20400   | 800     | 19600   | 14281   | 5319 |  |  |
|  |  |         | 19450** |         | 18650** | 13331** |      |  |  |
|  |  | 06-09   | 21900   |         | 21100   | 14470   | 6630 |  |  |
|  |  |         | 20950** |         | 20150** | 13520** |      |  |  |
|  |  | 09-17   | 20400   |         | 19600   | 14470   | 5130 |  |  |
|  |  |         | 19450** |         | 18650** | 13520** |      |  |  |
|  | 17-18  | 19850   | 19050   | 14470   | 4580    |         |      |  |  |
|  |  | 18900** | 18100** | 13520** |         |         |      |  |  |
|  | 18-24  | 19850   | 19050   | 14281   | 4769    |         |      |  |  |
|  |  | 18900** | 18100** | 13331** |         |         |      |  |  |
|  | 14th January<br>2020 to 15th<br>January 2020 | 00-06   | 20400   | 800     | 19600   | 14281   | 5319 |  |  |
|  |  |         | 19450** |         | 18650** | 13331** |      |  |  |
| 06-0730                                      |  | 21900   | 21100   |         | 14470   | 6630    |      |  |  |
|  |  | 20950** | 20150** |         | 13520** |         |      |  |  |
| 0730-09                                      |  | 20450   | 19650   |         | 14470   | 5180    |      |  |  |
|  |  | 19500** | 18700** |         | 13520** |         |      |  |  |
| 09-17  |  | 19000   | 18200   |         | 14470   | 3730    |      |  |  |
|  | 18050**                                      | 17250** | 13520** |         |         |         |      |  |  |
| 17-18  | 18500  | 17700   | 14470   | 3230    |         |         |      |  |  |
|  | 17550**                                      | 16750** | 13520** |         |         |         |      |  |  |
| 18-24  | 18500  | 17700   | 14281   | 3419    |         |         |      |  |  |
|  | 17550**                                      | 16750** | 13331** |         |         |         |      |  |  |
| 16th January<br>2020 to 31st<br>January 2020 | 00-06  | 20400   | 800     | 19600   | 14281   | 5319    |      |  |  |
|  |  | 19450** |         | 18650** | 13331** |         |      |  |  |
|  | 06-09  | 21900   |         | 21100   | 14470   | 6630    |      |  |  |
|  |  | 20950** |         | 20150** | 13520** |         |      |  |  |
|  | 09-17  | 20400   |         | 19600   | 14470   | 5130    |      |  |  |
|  |  | 19450** |         | 18650** | 13520** |         |      |  |  |
| 17-18  | 19850  | 19050   | 14470   | 4580    |         |         |      |  |  |
|  | 18900**                                      | 18100** | 13520** |         |         |         |      |  |  |
| 18-24  | 19850  | 19050   | 14281   | 4769    |         |         |      |  |  |
|  | 18900**                                      | 18100** | 13331** |         |         |         |      |  |  |

|            |  |       |       |     |      |      |      |      |  |  |
|------------|--|-------|-------|-----|------|------|------|------|--|--|
| <b>NER</b> | 1st January 2020 to 15th January 2020  | 00-17 | 1300  | 45  | 1255 | 334  | 921  |      |  |  |
|            |  | 17-23 | 1000  |     | 955  |      | 621  |      |  |  |
|            |  | 23-24 | 1300  |     | 1255 |      | 921  |      |  |  |
|            | 16th January 2020                      | 00-10 | 1300  | 45  | 1255 | 334  | 921  |      |  |  |
|            |  | 10-17 | 960   |     | 915  |      | 581  |      |  |  |
|            |  | 17-23 | 740   |     | 695  |      | 361  |      |  |  |
|            |  | 23-24 | 960   |     | 915  |      | 581  |      |  |  |
|            | 17th January 2020 to 31st January 2020 | 00-17 | 1300  | 45  | 1255 | 334  | 921  |      |  |  |
|            |  | 17-23 | 1000  |     | 955  |      | 621  |      |  |  |
|            |  | 23-24 | 1300  |     | 1255 |      | 921  |      |  |  |
|            | <b>WR</b>                              |       |       |     |      |      |      |      |  |  |
|            |  |       |       |     |      |      |      |      |  |  |
| <b>SR</b>  | 1st January 2020 to 6th January 2020   | 00-06 | 10000 | 750 | 9250 | 6698 | 2552 |      |  |  |
|            |  | 06-18 | 10000 |     | 9250 | 6783 | 2467 |      |  |  |
|            |  | 18-24 | 10000 |     | 9250 | 6698 | 2552 |      |  |  |
|            | 7th January 2020 to 9th January 2020   | 00-06 | 10500 | 750 | 9750 | 6698 | 3052 |      |  |  |
|            |  | 06-18 | 10500 |     | 9750 | 6783 | 2967 |      |  |  |
|            |  | 18-24 | 10500 |     | 9750 | 6698 | 3052 |      |  |  |
|            | 10th January 2020                      | 00-05 | 10500 | 750 | 9750 | 6698 | 3052 |      |  |  |
|            |  | 05-06 | 9500  |     | 8750 | 6698 | 2052 |      |  |  |
|            |  | 06-18 | 8500  |     | 7750 | 6783 | 967  |      |  |  |
|            |  | 18-24 | 8500  |     | 7750 | 6698 | 1052 |      |  |  |
|            | 11th January 2020 to 12th January 2020 | 00-06 | 8500  | 750 | 7750 | 6698 | 1052 |      |  |  |
|            |  | 06-18 | 8500  |     | 7750 | 6783 | 967  |      |  |  |
|            |  | 18-24 | 8500  |     | 7750 | 6698 | 1052 |      |  |  |
|            | 13th January 2020                      | 00-06 | 9500  | 750 | 8750 | 6698 | 2052 |      |  |  |
|            |  | 06-18 | 9500  |     | 8750 | 6783 | 1967 |      |  |  |
|            |  | 18-24 | 9500  |     | 8750 | 6698 | 2052 |      |  |  |
|            | 14th January 2020                      | 00-06 | 9500  | 750 | 8750 | 6698 | 2052 |      |  |  |
|            |  | 06-18 | 9500  |     | 8750 | 6783 | 1967 |      |  |  |
|            |  | 18-24 | 9500  |     | 8750 | 6698 | 2052 |      |  |  |
|            | 15th January 2020 to 19th January 2020 | 00-06 | 10500 | 750 | 9750 | 6698 | 3052 |      |  |  |
|            |  | 06-18 | 10500 |     | 9750 | 6783 | 2967 |      |  |  |
|            |  | 18-24 | 10500 |     | 9750 | 6698 | 3052 |      |  |  |
|            | 20th January 2020                      | 00-06 | 10000 | 750 | 9250 | 6698 | 2552 |      |  |  |
|            |  | 06-18 | 10000 |     | 9250 | 6783 | 2467 |      |  |  |
|            |  | 18-24 | 10000 |     | 9250 | 6698 | 2552 |      |  |  |
|            | 21st January 2020                      | 00-06 | 10100 | 750 | 9350 | 6698 | 2652 |      |  |  |
|            |  | 06-18 | 10100 |     | 9350 | 6783 | 2567 |      |  |  |
|            |  | 18-24 | 10100 |     | 9350 | 6698 | 2652 |      |  |  |
|            | 22nd January 2020 to 23rd January 2020 | 00-06 | 10100 | 750 | 9350 | 6698 | 2652 |      |  |  |
|            |  | 06-18 | 10100 |     | 9350 | 6783 | 2567 |      |  |  |
|            |  | 18-24 | 10100 |     | 9350 | 6698 | 2652 |      |  |  |
|            | 24th January 2020 to 31st January 2020 | 00-06 | 10000 | 750 | 9250 | 6698 | 2552 | -500 | Revised due to forced outage/frequent tripping of Pole-1 at HVDC Bhadravathi |  |
|            |  | 06-18 | 10000 |     | 9250 | 6783 | 2467 |      |  |  |
|            |  | 18-24 | 10000 |     | 9250 | 6698 | 2552 |      |  |  |

\* Fifty Percent (50 % ) Counter flow benefit on account of LTA/MTOA transactions in the reverse direction would be considered for advanced transactions (Bilateral & First Come First Serve).

\*\*Considering 400 kV Rihand stage-III - Vindhyachal PS D/C line as inter-regional line for the purpose of scheduling, metering and accounting and 950 MW ex-bus generation in Rihand stage-III. Rihand Stage-III generation is considered as NR regional entity.

\* For approving STOA Bilateral transactions, margin available in Simultaneous Import of NR would be apportioned on WR-NR Corridor & ER-NR Corridor in the following ratio:

Margin in Simultaneous import of NR = A

WR-NR ATC =B

ER-NR ATC = C

Margin for WR-NR applicants =  $A * B/(B+C)$

Margin for ER-NR Applicants =  $A * C/(B+C)$

**Simultaneous Export Capability**

| Corridor | Date                                   | Time Period (hrs) | Total Transfer Capability (TTC) | Reliability Margin | Available Transfer Capability (ATC) | Long Term Access (LTA)/ Medium Term Open Access (MTOA) | Margin Available for Short Term Open Access (STOA) | Changes in TTC w.r.t. Last Revision | Comments |  |
|----------|--|-------------------|---------------------------------|--------------------|-------------------------------------|--|--|-------------------------------------|----------|--|
| NR*      | 1st January 2020 to 31st January 2020  | 00-06             | 4500                            | 700                | 3800                                | 388  | 3412   |                                     |          |  |
|          |  | 06-18             |                                 |                    | 3800                                | 553  | 3247   |                                     |          |  |
|          |  | 18-24             | 4500                            |                    | 3800                                | 388  | 3412   |                                     |          |  |
| NER      | 1st January 2020 to 15th January 2020  | 00-17             | 2650                            | 45                 | 2605                                | 0  | 2605   |                                     |          |  |
|          |  | 17-23             | 2610                            |                    | 2565                                |  | 2565   |                                     |          |  |
|          |  | 23-24             | 2650                            |                    | 2605                                |  | 2605   |                                     |          |  |
|          | 16th January 2020                      | 00-10             | 2650                            | 45                 | 2605                                | 0  | 2605   |                                     |          |  |
|          |  | 10-17             | 2350                            |                    | 2305                                |  | 2305   |                                     |          |  |
|          |  | 17-23             | 2230                            |                    | 2185                                |  | 2185   |                                     |          |  |
|          |  | 23-24             | 2350                            |                    | 2305                                |  | 2305   |                                     |          |  |
|          | 17th January 2020 to 31st January 2020 | 00-17             | 2650                            | 45                 | 2605                                | 0  | 2605   |                                     |          |  |
|          |  | 17-23             | 2610                            |                    | 2565                                |  | 2565   |                                     |          |  |
|          |  | 23-24             | 2650                            |                    | 2605                                |  | 2605   |                                     |          |  |
|          | WR                                     |                   |                                 |                    |                                     |  |  |                                     |          |  |
|          |  |                   |                                 |                    |                                     |  |  |                                     |          |  |
| SR *     | 1st January 2020 to 31st January 2020  | 00-24             | No limit is being Specified.    |                    |                                     |  |  |                                     |          |  |

\* Fifty Percent (50 %) Counter flow benefit on account of LTA/MTOA transactions in the reverse direction would be considered for advanced transactions (Bilateral & First Come First Serve).



### Limiting Constraints (Corridor wise)

| Corridor          | Constraint   | Applicable Revisions |
|-------------------|--|----------------------|
| WR-NR             | N-1 contingency of 765 kV Aligarh - Jhatikara Line will lead to overloading of 765 kV Aligarh - Gr. Noida Line   | Rev- 0 to 3, 6 to 13 |
|                   | N-1 contingency of 765/400 kV, 1500 MVA ICT at Agra-PG will overload the other ICT   | Rev- 4,5             |
| NR-ER             | (n-1) contingency of 400 kV Saranath-Pusauli   | Rev- 0 to 13         |
| ER-NR             | 1. N-1 contingencies of 400 kv Mejia-Maithon A S/C<br>2. N-1 contingencies of 400 kv Kahalgaon-Banka S/C<br>3. N-1 contingencies of 400kV MPL- Maithon S/C | Rev- 0 to 13         |
| WR-SR and ER-SR   | n-1 contingency of 2x315 MVA, 400/220 kV ICTs at Mardam will lead to overloading of the second ICT   | Rev- 0 to 13         |
|                   | n-1 contingency of 2x1500 MVA, 765/400 kV ICTs at Vemagiri (PG) will lead to overloading of the second ICT   | Rev- 0 to 13         |
|                   | Low Voltage at Gazuwaka (East) Bus.  | Rev- 0 to 13         |
| ER-NER            | a. N-1 contingency of 400 kV Bongaigaon - Azara line<br>b. High Loading of 220 kV Salakati-BTPS Double circuit (200 MW)                                    | Rev- 0 to 8,10-13    |
|                   | N-1 contingency of 400 kV Byrnihat - Bongaigaon will lead to high Loading of 220 kV Samaguri - Sonabil line  | Rev-9                |
| NER-ER            | a. N-1 contingency of 400 kV Silchar- Azara Line<br>b. High Loading of 400 kV Bongaigaon-Killing line  | Rev- 0 to 2          |
|                   | a. N-1 contingency of 400 kV Silchar- Azara Line<br>b. High Loading of 400 kV Silchar-Killing line   | Rev- 3-8,10-13       |
|                   | N-1 contingency of 400 kV Byrnihat - Bongaigaon will lead to high Loading of 220 kV Samaguri - Sonabil line  | Rev-9                |
| W3 zone Injection | ---  | Rev- 0 to 13         |

### Limiting Constraints (Simultaneous)

|     |        | Constraint   | Applicable Revisions         |
|-----|--------|--|------------------------------|
| NR  | Import | 1. N-1 contingencies of 400 kv Mejia-Maithon A S/C<br>2. N-1 contingencies of 400 kv Kahalgaon-Banka S/C<br>3. N-1 contingencies of 400kV MPL- Maithon S/C | Rev- 0 to 13                 |
|     |        | N-1 contingency of 765 kV Aligarh - Jhatikara Line will lead to overloading of 765 kV Aligarh - Gr. Noida Line   | Rev- 0 to 3, 6 to 13         |
|     |        | N-1 contingency of 765/400 kV, 1500 MVA ICT at Agra-PG will overload the other ICT   | Rev- 4, 5                    |
|     | Export | (n-1) contingency of 400kV Zerda-Bhinmal and (n-1) contingency of 220kV Badod-Modak.<br>(n-1) contingency of 400 kV Saranath-Pusauli                       | Rev- 0 to 13<br>Rev- 0 to 13 |
| NER | Import | a. N-1 contingency of 400 kV Bongaigaon - Azara line<br>b. High Loading of 220 kV Salakati-BTPS Double circuit (200 MW)                                    | Rev- 0 to 8,10-13            |
|     |        | N-1 contingency of 400 kV Byrnihat - Bongaigaon will lead to high Loading of 220 kV Samaguri - Sonabil line  | Rev-9                        |
|     |        | a. N-1 contingency of 400 kV Silchar- Azara Line<br>b. High Loading of 400 kV Bongaigaon-Killing line  | Rev- 0 to 2                  |
|     | Export | a. N-1 contingency of 400 kV Silchar- Azara Line<br>b. High Loading of 400 kV Silchar-Killing line   | Rev- 3-8,10-13               |
|     |        | N-1 contingency of 400 kV Byrnihat - Bongaigaon will lead to high Loading of 220 kV Samaguri - Sonabil   | Rev-9                        |
| SR  | Import | n-1 contingency of 2x315 MVA, 400/220 kV ICTs at Mardam will lead to overloading of the second ICT   | Rev- 0 to 13                 |
|     |        | n-1 contingency of 2x1500 MVA, 765/400 kV ICTs at Vemagiri (PG) will lead to overloading of the second ICT   | Rev- 0 to 13                 |
|     |        | Low Voltage at Gazuwaka (East) Bus.  | Rev- 0 to 13                 |

**National Load Despatch Centre  
Total Transfer Capability for January 2019**

| Revision No | Date of Revision   | Period of Revision             | Reason for Revision/Comment  | Corridor Affected   |
|-------------|--------------------|--------------------------------|--|---|
| 1           | 18th November 2019 | Whole Month                    | Revised STOA margin due to 4.2 MW LTA and 19.76 MW MTOA to Assam from GIWEL  | ER-NER/Import of NER  |
| 2           | 29th November 2019 | Whole Month                    | Revised STOA margin due to the following.<br><b>Operationalization of following LTAs:-</b><br>a) AGEMPL to UPPCL – 40 MW<br>b) GIWEL_SECI-III_RE to Punjab – 112 MW<br>c) SEISPPL_MP to TPDDL – 90 MW<br><b>Revision in LTA quantum of following:-</b><br>a) INOX to UPPCL – 100 MW to 50 MW<br>b) RPL-SECI-II-RE to UPPCL – 34.5 MW to 73.8 MW<br>c) RPL-SECI-II-RE to Punjab – 73.8 MW to 100 MW<br>d) Mahindra - Rewa UMSP to DMRC – 7.75 MW to 33 MW   | WR-NR/Import of NR  |
|             |                    |                                | Revised STOA margin due to allocation of 100 MW quantum from NTPC-WR to Andhra Pradesh.  | WR-SR/Import of SR  |
| 3           | 31st December 2019 | Whole Month                    | Revised STOA margin due to the following:-<br>a) Operationalization of 10 MW LTA from AGEMPL (Wind, Bhuj) to Noida Power Company Limited (UP)<br>b) Change in LTA quantum from GIWEL_SECI-III_RE (Wind, Bhuj) to Punjab from 112 MW to 117.6 MW<br>Revision in TTC/ATC due to the following:-<br>a) Non availability of 220 kV Misa-Kopili and 132 kV Khandong- Kopili link<br>b) Long outage of Kopili generation due to bursting of Penstock at Kopili<br>c) Forced outage of Palatana Module-1<br>d) Change in Load-Generation of NER | WR-NR/Import of NR<br><br>ER-NER/NER-ER corridor and Import/Export of NER |
|             |                    |                                | 01st Jan 2020 to 04th Jan 2020   | Reduction in TTC/ATC due to forced outage of HVDC Bhadrawati Block-I      |
|             |                    | 4                              | 2nd January 2020   | 3rd Jan 2020 to 4th Jan 2020  |
| 5           | 4th Jan 2020       | 5th Jan 2020 to 6th Jan 2020   | Reduction in TTC/ATC due to planned outage of 765 kV Phagi - Gwalior - II  | WR-NR/Import of NR  |
|             |                    | 05th Jan 2020 to 06th Jan 2020 | Reduction in TTC/ATC due to forced outage of HVDC Bhadrawati Block-I   | WR-SR/Import of SR  |
| 6           | 6th Jan 2020       | 7th Jan 2020                   | Reduction in TTC/ATC due to planned outage of 765 kV Gwalior - Orai S/C  | WR-NR/Import of NR  |
| 7           | 09th Jan 2020      | 10 th Jan to 13th Jan 2020     | Reduction in TTC/ATC due to shutdown of Talchar Kolar Bipole/Unipole   | ER-SR/Import of SR  |
| 8           | 13th Jan 2020      | 14th Jan 2020                  | Reduction in TTC/ATC due to extension of shutdown of Talcher Kolar Pole - 1  | ER-SR/Import of SR  |
|             |                    | 14th Jan to 15th Jan 2020      | Reduction in TTC/ATC due to shutdown of 765 kV Gr. Noida - Mainpuri Line   | WR-NR/Import of NR  |
| 9           | 14th Jan 2020      | 16th Jan 2020                  | Revised TTC due to shutdown of 400 kV Bongaigaon - Azara S/C for installation of new GCD in Line Reactor   | ER-NER/NER-ER corridor & Import/Export of NER                             |
| 10          | 19th Jan 2020      | 20th Jan 2020                  | Revised due to forced outage of HVDC Pole-1 at Bhadravathi   | WR-SR/Import of SR  |
| 11          | 20th Jan 2020      | 21st Jan 2020                  | Revised due to Power restriction on HVDC Bhadravathi Back to Back  | WR-SR/Import of SR  |
| 12          | 21st Jan 2020      | 22nd Jan to 23rd Jan 2020      | Revised due to Power restriction on HVDC Bhadravathi Back to Back  | WR-SR/Import of SR  |
| 13          | 23rd Jan 2020      | 24th Jan to 31st Jan 2020      | Revised due to forced outage/frequent tripping of Pole-1 at HVDC Bhadravathi   | WR-SR/Import of SR  |

| ASSUMPTIONS IN BASECASE |                            |                |                    |                    |               |
|-------------------------|----------------------------|----------------|--------------------|--------------------|---------------|
|                         |                            |                |                    | Month : January'20 |               |
| S.No.                   | Name of State/Area         | Load           |                    | Generation         |               |
|                         |                            | Peak Load (MW) | Off Peak Load (MW) | Peak (MW)          | Off Peak (MW) |
| I                       | NORTHERN REGION            |                |                    |                    |               |
| 1                       | Punjab                     | 7620           | 5837               | 3839               | 3687          |
| 2                       | Haryana                    | 7609           | 6313               | 1734               | 1734          |
| 3                       | Rajasthan                  | 11864          | 11880              | 7595               | 7674          |
| 4                       | Delhi                      | 4955           | 2966               | 718                | 718           |
| 5                       | Uttar Pradesh              | 13788          | 12963              | 6160               | 6142          |
| 6                       | Uttarakhand                | 1851           | 1394               | 703                | 461           |
| 7                       | Himachal Pradesh           | 1168           | 892                | 145                | 75            |
| 8                       | Jammu & Kashmir            | 1971           | 2079               | 421                | 421           |
| 9                       | Chandigarh                 | 293            | 170                | 0                  | 0             |
| 10                      | ISGS/IPPs                  | 27             | 27                 | 17739              | 11795         |
|                         | Total NR                   | 51144          | 44520              | 39053              | 32706         |
| II                      | EASTERN REGION             |                |                    |                    |               |
| 1                       | Bihar                      | 4565           | 3383               | 165                | 165           |
| 2                       | Jharkhand                  | 1140           | 989                | 362                | 327           |
| 3                       | Damodar Valley Corporation | 2600           | 2971               | 4562               | 3873          |
| 4                       | Orissa                     | 4054           | 3098               | 3268               | 2234          |
| 5                       | West Bengal                | 7013           | 5688               | 4926               | 3921          |
| 6                       | Sikkim                     | 225            | 311                | 0                  | 0             |
| 7                       | Bhutan                     | 178            | 347                | 336                | 281           |
| 8                       | ISGS/IPPs                  | -178           | -347               | 12627              | 9543          |
|                         | Total ER                   | 19596          | 16440              | 26244              | 20344         |
| III                     | WESTERN REGION             |                |                    |                    |               |
| 1                       | Maharashtra                | 19414          | 11587              | 15086              | 10205         |
| 2                       | Gujarat                    | 15089          | 11817              | 10252              | 8665          |
| 3                       | Madhya Pradesh             | 10715          | 8841               | 3652               | 4046          |
| 4                       | Chattisgarh                | 4390           | 2701               | 2460               | 2390          |
| 5                       | Daman and Diu              | 334            | 214                | 0                  | 0             |
| 6                       | Dadra and Nagar Haveli     | 836            | 637                | 0                  | 0             |
| 7                       | Goa-WR                     | 551            | 295                | 0                  | 0             |
| 8                       | ISGS/IPPs                  | 5331           | 4036               | 43289              | 31372         |
|                         | Total WR                   | 56660          | 40129              | 74740              | 56677         |

| S.No. | Name of State/Area          | Load           |                    | Generation    |               |
|-------|-----------------------------|----------------|--------------------|---------------|---------------|
|       |                             | Peak Load (MW) | Off Peak Load (MW) | Peak (MW)     | Off Peak (MW) |
| IV    | <b>SOUTHERN REGION</b>      |                |                    |               |               |
| 1     | Andhra Pradesh              | 9440           | 7721               | 7006          | 5245          |
| 2     | Telangana                   | 10136          | 7870               | 4948          | 4648          |
| 3     | Karnataka                   | 9838           | 6400               | 7796          | 4125          |
| 4     | Tamil Nadu                  | 13865          | 11313              | 6747          | 5897          |
| 5     | Kerala                      | 3836           | 2263               | 1484          | 189           |
| 6     | Pondy                       | 304            | 304                | 0             | 0             |
| 7     | Goa-SR                      | 59             | 59                 | 0             | 0             |
| 8     | ISGS/IPPs                   | 0              | 0                  | 14019         | 12129         |
|       | <b>Total SR</b>             | <b>47477</b>   | <b>35931</b>       | <b>42000</b>  | <b>32233</b>  |
| V     | <b>NORTH-EASTERN REGION</b> |                |                    |               |               |
| 1     | Arunachal Pradesh           | 123            | 69                 | 0             | 0             |
| 2     | Assam                       | 1466           | 1082               | 234           | 206           |
| 3     | Manipur                     | 193            | 115                | 0             | 0             |
| 4     | Meghalaya                   | 349            | 261                | 112           | 58            |
| 5     | Mizoram                     | 99             | 68                 | 34            | 23            |
| 6     | Nagaland                    | 124            | 81                 | 12            | 4             |
| 7     | Tripura                     | 211            | 133                | 99            | 99            |
| 8     | ISGS/IPPs                   | 133            | 79                 | 2071          | 1680          |
|       | <b>Total NER</b>            | <b>2698</b>    | <b>1887</b>        | <b>2562</b>   | <b>2069</b>   |
|       | <b>Total All India</b>      | <b>177575</b>  | <b>138907</b>      | <b>184600</b> | <b>144031</b> |