

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

Issue Date: 22nd Aug 2020

Issue Time: 1700 hrs

Revision No. 10

| 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 August 2020 to 31st August 2020 | 00-06             | 2500                            | 500                | 2000                                | 195  | 1805   |                                     |          |
|                                      |                                     | 06-18             |                                 |                    |                                     | 1223   | 777  |                                     |          |
|                                      |                                     | 18-24             |                                 |                    |                                     | 195  | 1805   |                                     |          |
| WR-NR*                               | 1st August 2020 to 31st August 2020 | 00-06             | 17100                           | 500                | 16600                               | 10268  | 6332   |                                     |          |
|                                      |                                     |                   | 16150**                         |                    | 15650**                             | 9318**   |  |                                     |          |
|                                      |                                     | 06-18             | 17100                           | 500                | 16600                               | 10657  | 5943   |                                     |          |
|                                      |                                     |                   | 16150**                         |                    | 15650**                             | 9707**   |  |                                     |          |
|                                      |                                     | 18-24             | 17100                           | 500                | 16600                               | 10268  | 6332   |                                     |          |
|                                      |                                     |                   | 16150**                         |                    | 15650**                             | 9318**   |  |                                     |          |
| NR-ER*                               | 1st August 2020 to 31st August 2020 | 00-06             | 2000                            | 200                | 1800                                | 193  | 1607   |                                     |          |
|                                      |                                     | 06-18             | 2000                            |                    | 1800                                | 303  | 1497   |                                     |          |
|                                      |                                     | 18-24             | 2000                            |                    | 1800                                | 193  | 1607   |                                     |          |
| ER-NR*                               | 1st August 2020 to 31st August 2020 | 00-24             | 6250                            | 300                | 5950                                | 4066   | 1884   |                                     |          |
| W3-ER                                | 1st August 2020 to 31st August 2020 | 00-24             | No limit is being specified.    |                    |                                     |  |  |                                     |          |
| ER-W3                                | 1st August 2020 to 31st August 2020 | 00-24             | No limit is being specified.    |                    |                                     |  |  |                                     |          |
| WR-SR^                               | 1st August 2020 to 3rd August 2020  | 00-05             | 6950                            | 500                | 6450                                | 4035   | 2415   |                                     |          |
|                                      |                                     | 05-22             | 6950                            |                    | 6450                                |  | 2415   |                                     |          |
|                                      |                                     | 22-24             | 6950                            |                    | 6450                                |  | 2415   |                                     |          |
|                                      | 4th August 2020                     | 00-05             | 6950                            | 500                | 6450                                | 4035   | 2415   |                                     |          |
|                                      |                                     | 05-07             | 6950                            |                    | 6450                                |  | 2415   |                                     |          |
|                                      |                                     | 07-22             | 6300                            |                    | 5800                                |  | 1765   |                                     |          |
|                                      | 22-24                               | 6300              | 500                             | 5800               | 4035                                | 1765   |  |                                     |          |
|                                      |                                     | 00-05             |                                 | 6950               |                                     | 6450   |  |                                     | 2415     |
|                                      |                                     | 05-09             |                                 | 6950               |                                     | 6450   |  |                                     | 6450     |
|                                      | 09-22                               | 6450              | 500                             | 5950               | 4035                                | 1915   |  |                                     |          |
|                                      |                                     | 22-24             |                                 | 6450               |                                     | 5950   |  |                                     | 1915     |
|                                      |                                     | 00-05             |                                 | 6950               |                                     | 6450   |  |                                     | 2415     |
|                                      | 05-11                               | 6950              | 500                             | 6450               | 4035                                | 2415   |  |                                     |          |
|                                      |                                     | 11-22             |                                 | 3800               |                                     | 3300   |  |                                     | 0        |
|                                      |                                     | 22-24             |                                 | 3800               |                                     | 3300   |  |                                     | 0        |
|                                      | 7th August 2020 to 15th August 2020 | 00-05             | 6950                            | 500                | 6450                                | 4035   | 2415   |                                     |          |
|                                      |                                     | 05-22             | 6950                            |                    | 6450                                |  | 2415   |                                     |          |
|                                      |                                     | 22-24             | 6950                            |                    | 6450                                |  | 2415   |                                     |          |
|                                      | 16th August 2020                    | 00-05             | 6950                            | 500                | 6450                                | 4035   | 2415   |                                     |          |
|                                      |                                     | 05-08             | 6950                            |                    | 6450                                |  | 2415   |                                     |          |
|                                      |                                     | 08-22             | 6000                            |                    | 5500                                |  | 1465   |                                     |          |
|                                      | 22-24                               | 6000              | 500                             | 5500               | 4035                                | 1465   |  |                                     |          |
|                                      |                                     | 00-05             |                                 | 6950               |                                     | 6450   |  |                                     | 2415     |
|                                      |                                     | 05-08             |                                 | 6950               |                                     | 6950   |  |                                     | 6950     |
| 08-22                                | 6110                                | 500               | 5610                            | 4035               | 1575                                |  |  |                                     |          |
|                                      | 22-24                               |                   | 6110                            |                    | 5610                                |  |  | 1575                                |          |
|                                      | 00-05                               |                   | 6950                            |                    | 6450                                |  |  | 2415                                |          |
| 18th August 2020 to 31st August 2020 | 05-22                               | 6950              | 500                             | 6450               | 4035                                | 2415   |  |                                     |          |
|                                      | 22-24                               | 6950              |                                 | 6450               |                                     | 2415   |  |                                     |          |
|                                      |                                     | 6950              |                                 | 6450               |                                     | 2415   |  |                                     |          |
| SR-WR *                              | 1st August 2020 to 31st August 2020 | 00-24             | 4600                            | 400                | 4200                                | 550  | 3650   |                                     |          |

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| 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  |  |
|--------------------------|--------------------------------------|--------------------------------------|---------------------------------|--------------------|-------------------------------------|--|--|-------------------------------------|---|--|
| <b>ER-SR<sup>^</sup></b> | 1st August 2020 to 3rd August 2020   | 00-06                                | 5950                            | 250                | 5700                                | 2663   | 3037   |                                     |   |  |
|                          |                                      | 06-18                                | 5950                            |                    | 5700                                | 2748   | 2952   |                                     |   |  |
|                          |                                      | 18-24                                | 5950                            |                    | 5700                                | 2663   | 3037   |                                     |   |  |
|                          | 4th August 2020                      | 00-06                                | 5950                            | 250                | 5700                                | 2663   | 3037   |                                     |   |  |
|                          |                                      | 06-07                                | 5950                            |                    | 5700                                | 2748   | 2952   |                                     |   |  |
|                          |                                      | 07-18                                | 5800                            |                    | 5550                                | 2748   | 2802   |                                     |   |  |
|                          | 18-24                                | 18-24                                | 5800                            |                    | 5550                                | 2663   | 2887   |                                     |   |  |
|                          |                                      | 5th August 2020                      | 00-06                           | 5950               | 250                                 | 5700   | 2663   | 3037                                |   |  |
|                          |                                      |                                      | 06-09                           | 5950               |                                     | 5700   | 2748   | 2802                                |   |  |
|                          | 09-18                                |                                      | 5850                            | 5600               |                                     | 2748   | 2952   |                                     |   |  |
|                          | 18-24                                | 18-24                                | 5850                            |                    | 5600                                | 2663   | 3037   |                                     |   |  |
|                          |                                      | 6th August 2020                      | 00-06                           | 5950               | 250                                 | 5700   | 2663   | 3037                                |   |  |
|                          |                                      |                                      | 06-11                           | 5950               |                                     | 5700   | 2748   | 2952                                |   |  |
|                          | 11-18                                |                                      | 5350                            | 5100               |                                     | 2748   | 2352   |                                     |   |  |
|                          | 18-24                                | 18-24                                | 5350                            |                    | 5100                                | 2663   | 2437   |                                     |   |  |
|                          |                                      | 7th August 2020 to 11th August 2020  | 00-06                           | 5950               | 250                                 | 5700   | 2663   | 3037                                |   |  |
|                          |                                      |                                      | 06-18                           | 5950               |                                     | 5700   | 2748   | 2952                                |   |  |
|                          | 18-24                                |                                      | 5950                            | 5700               |                                     | 2663   | 3037   |                                     |   |  |
|                          | 12th August 2020                     | 00-06                                | 5950                            | 250                | 5700                                | 2663   | 3037   |                                     |   |  |
|                          |                                      | 06-07                                | 5950                            |                    | 5700                                | 2748   | 2952   |                                     |   |  |
|                          |                                      | 07-18                                | 5650                            |                    | 5400                                | 2748   | 2652   |                                     |   |  |
|                          | 18-24                                | 18-24                                | 5650                            |                    | 5400                                | 2663   | 2737   |                                     |   |  |
|                          |                                      | 13th August 2020 to 31st August 2020 | 00-06                           | 5950               | 250                                 | 5700   | 2663   | 3037                                |   |  |
|                          |                                      |                                      | 06-18                           | 5950               |                                     | 5700   | 2748   | 2952                                |   |  |
| 18-24                    | 5950                                 |                                      | 5700                            | 2663               |                                     | 3037   |  |                                     |   |  |
| <b>SR-ER *</b>           | 1st August 2020 to 31st August 2020  | 00-24                                |                                 |                    |                                     |  |  |                                     |   |  |
| <b>ER-NER*</b>           | 1st August 2020 to 23rd August 2020  | 00-02                                | 1410                            | 45                 | 1365                                | 432  | 933  |                                     |   |  |
|                          |                                      | 02-07                                | 1410                            |                    | 1365                                | 432  | 933  |                                     |   |  |
|                          |                                      | 07-12                                | 1410                            |                    | 1365                                | 474  | 891  |                                     |   |  |
|                          |                                      | 12-17                                | 1410                            |                    | 1365                                | 474  | 891  |                                     |   |  |
|                          |                                      | 17-18                                | 1410                            |                    | 1365                                | 474  | 891  |                                     |   |  |
|                          |                                      | 18-22                                | 1340                            |                    | 1295                                | 432  | 863  |                                     |   |  |
|                          |                                      | 22-23                                | 1410                            |                    | 1365                                | 432  | 933  |                                     |   |  |
|                          |                                      | 23-24                                | 1410                            |                    | 1365                                | 432  | 933  |                                     |   |  |
| <b>ER-NER*</b>           | 24th August 2020 to 31st August 2020 | 00-02                                | 1610                            | 45                 | 1565                                | 432  | 1133   | 200                                 | Revision in TTC/ATC due to change in HVDC BNC-Agra Power Order. |  |
|                          |                                      | 02-07                                | 1610                            |                    | 1565                                | 432  | 1133   | 200                                 |   |  |
|                          |                                      | 07-12                                | 1610                            |                    | 1565                                | 474  | 1091   | 200                                 |   |  |
|                          |                                      | 12-17                                | 1610                            |                    | 1565                                | 474  | 1091   | 200                                 |   |  |
|                          |                                      | 17-18                                | 1610                            |                    | 1565                                | 474  | 1091   | 200                                 |   |  |
|                          |                                      | 18-22                                | 1540                            |                    | 1495                                | 432  | 1063   | 200                                 |   |  |
|                          |                                      | 22-23                                | 1610                            |                    | 1565                                | 432  | 1133   | 200                                 |   |  |
|                          |                                      | 23-24                                | 1610                            |                    | 1565                                | 432  | 1133   | 200                                 |   |  |
| <b>NER-ER*</b>           | 1st August 2020 to 23rd August 2020  | 00-02                                | 2020                            | 45                 | 1975                                | 42   | 1933   |                                     |   |  |
|                          |                                      | 02-07                                | 2020                            |                    | 1975                                | 42   | 1933   |                                     |   |  |
|                          |                                      | 07-12                                | 2020                            |                    | 1975                                | 42   | 1933   |                                     |   |  |
|                          |                                      | 12-17                                | 2020                            |                    | 1975                                | 42   | 1933   |                                     |   |  |
|                          |                                      | 17-18                                | 2020                            |                    | 1975                                | 42   | 1933   |                                     |   |  |
|                          |                                      | 18-22                                | 2110                            |                    | 2065                                | 42   | 2023   |                                     |   |  |
|                          |                                      | 22-23                                | 2020                            |                    | 1975                                | 42   | 1933   |                                     |   |  |
|                          |                                      | 23-24                                | 2020                            |                    | 1975                                | 42   | 1933   |                                     |   |  |
| <b>NER-ER*</b>           | 24th August 2020 to 31st August 2020 | 00-02                                | 1820                            | 45                 | 1775                                | 42   | 1733   | -200                                | Revision in TTC/ATC due to change in HVDC BNC-Agra Power Order. |  |
|                          |                                      | 02-07                                | 1820                            |                    | 1775                                | 42   | 1733   | -200                                |   |  |
|                          |                                      | 07-12                                | 1820                            |                    | 1775                                | 42   | 1733   | -200                                |   |  |
|                          |                                      | 12-17                                | 1820                            |                    | 1775                                | 42   | 1733   | -200                                |   |  |
|                          |                                      | 17-18                                | 1820                            |                    | 1775                                | 42   | 1733   | -200                                |   |  |
|                          |                                      | 18-22                                | 1910                            |                    | 1865                                | 42   | 1823   | -200                                |   |  |
|                          |                                      | 22-23                                | 1820                            |                    | 1775                                | 42   | 1733   | -200                                |   |  |
|                          |                                      | 23-24                                | 1820                            |                    | 1775                                | 42   | 1733   | -200                                |   |  |

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|----------|------|-------------------|---------------------------------|--------------------|-------------------------------------|--|--|-------------------------------------|----------|
|----------|------|-------------------|---------------------------------|--------------------|-------------------------------------|--|--|-------------------------------------|----------|

|                          |                                     |       |   |  |  |  |  |  |  |
|--------------------------|-------------------------------------|-------|---|--|--|--|--|--|--|
| <b>W3 zone Injection</b> | 1st August 2020 to 31st August 2020 | 00-24 | No limit is being specified (In case of any constraints appearing in the system, W3 zone export would be revised accordingly) |  |  |  |  |  |  |
|--------------------------|-------------------------------------|-------|---|--|--|--|--|--|--|

**Note: TTC/ATC of S1-(S2&S3) corridor, Import of S3(Kerala), Import of Punjab and Import of DD & DNH is uploaded on NLDC website under Intra-Regional Section in Monthly ATC.**

\* 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.

1) S1 comprises of Telangana, AP and Karnataka; S2 comprises of Tamil Nadu and Puducherry; S3 comprises Kerala  
 2) W3 comprises of the following regional entities :  
 a) Chattisgarh Sell transaction, b) Jindal Power Limited (JPL) Stage-I & Stage-II, c) Jindal Steel and Power Limited (JSPL), d) ACBL, e) LANCO Amarkantak  
 f) BALCO, g) Sterlite (#1,3,4), h) NSPCL, i) Korba, j) Sipat, k) KSK Mahanadi, L)DB Power, m) KWPCCL, n)Vandana Viduyut o)RKM, p)GMR Raikheda, q)Ind Barath and any other regional entity generator in Chhattisgarh

# The figure is based on LTA/MTOA approved by CTU and Allocation figures as per RPCs RTA/REA. In actual Operation, due to Units being on Maintenance/ Fuel shortage/New units being commissioned the LTA/MTOA utilized would vary. RLDC/NLDC would factor this situation on day-ahead basis. In the eventuality that net schedules exceed ATC, real time curtailments might be effected by RLDCs/NLDC.

In case of TTC Revision due to any shutdown :  
 1) The TTC value will be revised to normal values after restoration of shutdown.  
 2) The TTC value will be revised to normal values if the shutdown is not being availed in real time.

Real Time TTC/ATC revisions are uploaded on POSOCO/NLDC "News Update" (Flasher) Section

^Though 2X315 MVA, 400/220 kV ICTs at Maradam are N-1 non-compliant, the TTC of WR-SR and ER-SR corridor has not been restricted due to the same considering that this aspect will be managed by AP SLDC through appropriate measures like SPS implementation.

^In case of drawl of Karnataka beyond 3800 MW, the voltages in Bengaluru area are observed to be critically low. This issue may be taken care of by Karnataka SLDC by

SR-WR TTC/ATC figures have been calculated considering 01 unit (800 MW) at Kudgi TPS in service. The figures are subject to change with change in generation at Kudgi TPS.

WR-NR/Import of NR TTC has been calculated considering generation at Pariccha TPS as 350 MW. TTC figures are subject to change with significant change in generation at Pariccha TPS.

| 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 August 2020 to 31st August 2020 | 00-06             | 23350<br>22400**                | 800                | 22550<br>21600**                    | 14334<br>13384**                                       | 8216   |                                     |          |
|                                      |                                     | 06-09             | 23350<br>22400**                |                    | 22550<br>21600**                    | 14723<br>13773**                                       | 7827   |                                     |          |
|                                      |                                     | 09-17             | 23350<br>22400**                |                    | 22550<br>21600**                    | 14723<br>13773**                                       | 7827   |                                     |          |
|                                      |                                     | 17-18             | 23350<br>22400**                |                    | 22550<br>21600**                    | 14723<br>13773**                                       | 7827   |                                     |          |
|                                      |                                     | 18-24             | 23350<br>22400**                |                    | 22550<br>21600**                    | 14334<br>13384**                                       | 8216   |                                     |          |
| NER*                                 | 1st August 2020 to 31st August 2020 | 00-02             | 910                             | 45                 | 865                                 | 432  | 433  |                                     |          |
|                                      |                                     | 02-07             | 910                             |                    | 865                                 | 432  | 433  |                                     |          |
|                                      |                                     | 07-12             | 910                             |                    | 865                                 | 474  | 391  |                                     |          |
|                                      |                                     | 12-17             | 910                             |                    | 865                                 | 474  | 391  |                                     |          |
|                                      |                                     | 17-18             | 910                             |                    | 865                                 | 474  | 391  |                                     |          |
|                                      |                                     | 18-22             | 840                             |                    | 795                                 | 432  | 363  |                                     |          |
|                                      |                                     | 22-23             | 910                             |                    | 865                                 | 432  | 433  |                                     |          |
|                                      |                                     | 23-24             | 910                             |                    | 865                                 | 432  | 433  |                                     |          |
| WR*                                  |                                     |                   |                                 |                    |                                     |  |  |                                     |          |
| SR**                                 | 1st August 2020 to 3rd August 2020  | 00-06             | 12900                           | 750                | 12150                               | 6698   | 5452   |                                     |          |
|                                      |                                     | 06-18             | 12900                           |                    | 12150                               | 6783   | 5367   |                                     |          |
|                                      |                                     | 18-24             | 12900                           |                    | 12150                               | 6698   | 5452   |                                     |          |
|                                      | 4th August 2020                     | 00-06             | 12900                           | 750                | 12150                               | 6698   | 5452   |                                     |          |
|                                      |                                     | 06-07             | 12900                           |                    | 12150                               | 6783   | 5367   |                                     |          |
|                                      |                                     | 07-18             | 12100                           |                    | 11350                               | 6783   | 4567   |                                     |          |
|                                      |                                     | 18-24             | 12100                           |                    | 11350                               | 6698   | 4652   |                                     |          |
|                                      | 5th August 2020                     | 00-06             | 12900                           | 750                | 12150                               | 6698   | 5452   |                                     |          |
|                                      |                                     | 06-09             | 12900                           |                    | 12900                               | 6783   | 6117   |                                     |          |
|                                      |                                     | 09-18             | 12300                           |                    | 11550                               | 6783   | 4767   |                                     |          |
|                                      |                                     | 18-24             | 12300                           |                    | 11550                               | 6698   | 4852   |                                     |          |
|                                      | 6th August 2020                     | 00-06             | 12900                           | 750                | 12150                               | 6698   | 5452   |                                     |          |
|                                      |                                     | 06-11             | 12900                           |                    | 12900                               | 6783   | 6117   |                                     |          |
|                                      |                                     | 11-18             | 9150                            |                    | 8400                                | 6783   | 1617   |                                     |          |
|                                      |                                     | 18-24             | 9150                            |                    | 8400                                | 6698   | 1702   |                                     |          |
|                                      | 7th August 2020 to 11th August 2020 | 00-06             | 12900                           | 750                | 12150                               | 6698   | 5452   |                                     |          |
|                                      |                                     | 06-18             | 12900                           |                    | 12150                               | 6783   | 5367   |                                     |          |
|                                      |                                     | 18-24             | 12900                           |                    | 12150                               | 6698   | 5452   |                                     |          |
|                                      | 12th August 2020                    | 00-06             | 12900                           | 750                | 12150                               | 6698   | 5452   |                                     |          |
|                                      |                                     | 06-07             | 12900                           |                    | 12150                               | 6783   | 5367   |                                     |          |
|                                      |                                     | 07-18             | 12600                           |                    | 11850                               | 6783   | 5067   |                                     |          |
| 18-24                                |                                     | 12600             | 11850                           |                    | 6698                                | 5152   |  |                                     |          |
| 13th August 2020 to 15th August 2020 | 00-06                               | 12900             | 750                             | 12150              | 6698                                | 5452   |  |                                     |          |
|                                      | 06-18                               | 12900             |                                 | 12150              | 6783                                | 5367   |  |                                     |          |
|                                      | 18-24                               | 12900             |                                 | 12150              | 6698                                | 5452   |  |                                     |          |

|  |       |       |     |       |      |      |  |
|--|-------|-------|-----|-------|------|------|--|
| 16th August<br>2020                        | 00-06 | 12900 | 750 | 12150 | 6698 | 5452 |  |
|  | 06-08 | 12900 |     | 12150 | 6783 | 5367 |  |
|  | 08-18 | 11950 |     | 11200 | 6783 | 4417 |  |
|  | 18-24 | 11950 |     | 11200 | 6698 | 4502 |  |
| 17th August<br>2020                        | 00-06 | 12900 | 750 | 12150 | 6698 | 5452 |  |
|  | 06-08 | 12900 |     | 12150 | 6783 | 5367 |  |
|  | 08-18 | 12060 |     | 11310 | 6783 | 4527 |  |
|  | 18-24 | 12060 |     | 11310 | 6698 | 4612 |  |
| 18th August<br>2020 to 31st<br>August 2020 | 00-06 | 12900 | 750 | 12150 | 6698 | 5452 |  |
|  | 06-18 | 12900 |     | 12150 | 6783 | 5367 |  |
|  | 18-24 | 12900 |     | 12150 | 6698 | 5452 |  |

\* 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 =  $A * C / (B + C)$

Real Time TTC/ATC revisions are uploaded on POSOCO/NLDC "News Update" (Flasher) Section

#Though 2X315 MVA, 400/220 kV ICTs at Maradam are N-1 non-compliant, the TTC of SR Import has not been restricted due to the same considering that this aspect will be managed by AP SLDC through appropriate measures like SPS implementation.

In case of drawl of Karnataka beyond 3800 MW, the voltages in Bengaluru area are observed to be critically low. This issue may be taken care of by Karnataka by taking appropriate measures.

WR-NR/Import of NR TTC has been calculated considering generation at Pariccha TPS as 350 MW. TTC figures are subject to change with significant change in generation at Pariccha TPS.

| <b>Simultaneous Export Capability</b> |                                     |                          |  |                           |  |   |   |  |                 |
|---------------------------------------|-------------------------------------|--------------------------|--|---------------------------|--|---|---|--|-----------------|
| <b>Corridor</b>                       | <b>Date</b>                         | <b>Time Period (hrs)</b> | <b>Total Transfer Capability (TTC)</b> | <b>Reliability Margin</b> | <b>Available Transfer Capability (ATC)</b> | <b>Long Term Access (LTA)/ Medium Term Open Access (MTOA)</b> | <b>Margin Available for Short Term Open Access (STOA)</b> | <b>Changes in TTC w.r.t. Last Revision</b> | <b>Comments</b> |
| <b>NR*</b>                            | 1st August 2020 to 31st August 2020 | 00-06                    | 4500                                   | 700                       | 3800                                       | 388   | 3412  |  |                 |
|                                       |                                     | 06-18                    |  |                           | 3800                                       | 1526  | 2274  |  |                 |
|                                       |                                     | 18-24                    | 4500                                   |                           | 3800                                       | 388   | 3412  |  |                 |
| <b>NER*</b>                           | 1st August 2020 to 31st August 2020 | 00-02                    | 2520                                   | 45                        | 2475                                       | 42  | 2433  |  |                 |
|                                       |                                     | 02-07                    | 2520                                   |                           | 2475                                       | 42  | 2433  |  |                 |
|                                       |                                     | 07-12                    | 2520                                   |                           | 2475                                       | 42  | 2433  |  |                 |
|                                       |                                     | 12-17                    | 2520                                   |                           | 2475                                       | 42  | 2433  |  |                 |
|                                       |                                     | 17-18                    | 2520                                   |                           | 2475                                       | 42  | 2433  |  |                 |
|                                       |                                     | 18-22                    | 2610                                   |                           | 2565                                       | 42  | 2523  |  |                 |
|                                       |                                     | 22-23                    | 2520                                   |                           | 2475                                       | 42  | 2433  |  |                 |
|                                       |                                     | 23-24                    | 2520                                   |                           | 2475                                       | 42  | 2433  |  |                 |
| <b>WR*</b>                            |                                     |                          |  |                           |  |   |   |  |                 |
| <b>SR*^</b>                           | 1st August 2020 to 31st August 2020 | 00-24                    | 3700                                   | 400                       | 3300                                       | 1150  | 2150  |  |                 |

\* 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).

Real Time TTC/ATC revisions are uploaded on POSOCO/NLDC "News Update" (Flasher) Section

^SR Export TTC/ATC figures have been calculated considering 01 unit (800 MW) at Kudgi TPS in service. The figures are subject to change with change in generation at Kudgi TPS.

| <b>Limiting Constraints (Corridor wise)</b> |  |   | <b>Applicable Revisions</b> |
|---|--|---|-----------------------------|
| <b>Corridor</b>                             | <b>Constraint</b>  |   |                             |
| <b>WR-NR</b>                                | N-1 contingency of 1000 MVA, 765/400 kV ICT at Orai will overload the other ICT  |   | Rev- 0 to 10                |
| <b>NR-ER</b>                                | (n-1) contingency of 400 kV Saranath-Pusaui  |   | Rev- 0 to 10                |
| <b>ER-NR</b>                                | 1. N-1 contingency of 400 kV Mejia-Maithon A line will overload the other ckt.<br>2. Inter-regional flow pattern towards NR  |   | Rev- 0 to 10                |
| <b>WR-SR and ER-SR</b>                      | n-1 contingency of one ckt of 765 kV Wardha - Nizamabad D/C will overload of the other ckt   |   | Rev- 0 to 3, 7 to 10        |
|   | n-1 contingency of one ckt of 765 kV Angul - Srikakulam D/C will overload of the other ckt   |   |                             |
|   | Low Voltage at Gazuwaka (East) Bus.  |   |                             |
|   | Overloading of 765/400 kV ICT at Nizamabad under outage of one ckt 765 kV Nizamabad - Maheshwaram line   |   | Rev - 4                     |
|   | Overloading of 765/400 kV ICT at Nizamabad under outage of other ICT   |   | Rev - 5                     |
|   | Overloading of 765/400 kV ICT at Nizamabad under outage of other bus   |   | Rev-6                       |
| <b>SR-WR</b>                                | a) N-1 contingency of one ckt of 400 kV Kolhapur-PG - Kolhapur-MS D/C will overload of the other ckt<br>b) N-1 contingency of 500 MVA ICT at 400 kV Kolhapur-MS will overload the other 2x315 MVA ICTs |   | Rev- 0 to 10                |
| <b>ER-NER</b>                               | a) N-1 contingency of 400 kV Bongaigaon - Azara line<br>b) High Loading of 220 kV Samaguri-Sonabil S/C (200 MW)  |   | Rev- 0 to 2                 |
|   | N-1 contingency of 400 kV Bongaigaon - Azara line will lead to overloading of 220 kV Salakati-BTPS Double circuit (200 MW)   |   | Rev- 3 to 10                |
| <b>NER-ER</b>                               | a) N-1 contingency of 400 kV Silchar- Azara line<br>b) High Loading of 400 kV Silchar-Killing Line   |   | Rev- 0 to 10                |
| <b>W3 zone Injection</b>                    | ---  |   | Rev- 0 to 10                |
| <b>Limiting Constraints (Simultaneous)</b>  |  |   | <b>Applicable Revisions</b> |
| <b>NR</b>                                   | <b>Import</b>  | 1. N-1 contingency of 400 kV Mejia-Maithon A line will overload the other ckt.<br>2. Inter-regional flow pattern towards NR   | Rev- 0 to 10                |
|   | <b>Export</b>  | N-1 contingency of 1000 MVA, 765/400 kV ICT at Orai will overload the other ICT<br>(n-1) contingency of 400kV Zerda-Bhinmal and (n-1) contingency of 220kV Badod-Modak.<br>(n-1) contingency of 400 kV Saranath-Pusaui                        | Rev- 0 to 10                |
| <b>NER</b>                                  | <b>Import</b>  | a) N-1 contingency of 400 kV Bongaigaon - Azara line<br>b) High Loading of 220 kV Samaguri-Sonabil S/C (200 MW)<br>N-1 contingency of 400 kV Bongaigaon - Azara line will lead to overloading of 220 kV Salakati-BTPS Double circuit (200 MW) | Rev- 0 to 2<br>Rev-3 to 10  |
|   | <b>Export</b>  | a) N-1 contingency of 400 kV Silchar- Azara line<br>b) High Loading of 400 kV Silchar-Killing Line  | Rev- 0 to 10                |
| <b>SR</b>                                   | <b>Import</b>  | n-1 contingency of one ckt of 765 kV Wardha - Nizamabad D/C will overload of the other ckt  | Rev- 0 to 3, 7 to 10        |
|   |  | n-1 contingency of one ckt of 765 kV Angul - Srikakulam D/C will overload of the other ckt  |                             |
|   |  | Low Voltage at Gazuwaka (East) Bus  |                             |
|   | Overloading of 765/400 kV ICT at Nizamabad under outage of one ckt 765 kV Nizamabad - Maheshwaram line   |   | Rev - 4                     |
|   | Overloading of 765/400 kV ICT at Nizamabad under outage of other ICT   |   | Rev -5                      |
|   | Overloading of 765/400 kV ICT at Nizamabad under outage of other bus   |   | Rev -6                      |
| <b>Export</b>                               | N-1 contingency of one ckt of 400 kV Kolhapur-PG - Kolhapur-MS D/C will overload of the other ckt  |   | Rev- 0 to 10                |
|   | N-1 contingency of 500 MVA ICT at 400 kV Kolhapur-MS will overload the other 2x315 MVA ICTs  |   |                             |

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

| Revision No | Date of Revision | Period of Revision             | Reason for Revision/Comment  | Corridor Affected                       |
|-------------|------------------|--------------------------------|--|---|
| 1           | 28th May 2020    | Whole Month                    | Revision in STOA margin due to operationalization of MTOA from Rajasthan Solar to Maharashtra and MP   | NR-WR/Export of NR                      |
| 2           | 28th June 2020   | Whole Month                    | Revision in STOA margin due to change in LTA quantum from GIWEL_SECI-III_RE (Wind, Bhuj) to Punjab from 151.2 MW to 200 MW   | WR-NR/Import of NR                      |
|             |                  |                                | Revision in STOA margin due to allocation of 20.75 MW power from Kameng HEP to UP, Haryana, Chhattisgarh and Goa   | NER-ER/Export of NER/ER-NR/Import of NR |
| 3           | 30th July 2020   | Whole Month                    | Revised TTC considering change in power order on HVDC APD-AGRA   | WR-NR/ER-NR/Import of NR                |
|             |                  |                                | (i) Revised TTC due to (a) change in LGBR and (b) addition of 2x150 MW Kameng generation<br>(ii) Change in STOA margins due to change in allocation from Kameng & Mangdekchu | NER-ER/Export of NER/ER-NR/Import of NR |
| 4           | 2nd Aug 2020     | 4th Aug 2020                   | Revision in TTC/ATC due to planned outage of 765/400 kV Nizamabad ICT-I  | WR-SR/ER-SR/Import of SR                |
| 5           | 3rd Aug 2020     | 5th Aug 2020                   | Revision in TTC/ATC due to planned outage of 765/400 kV Maheshwaram ICT-2  | WR-SR/ER-SR/Import of SR                |
| 6           | 4rd Aug 2020     | 6th Aug 2020                   | Revision in TTC/ATC due to planned outage of 765 kV Bus - II at Nizamabad  | WR-SR/ER-SR/Import of SR                |
| 7           | 10th Aug 2020    | 12th Aug 2020                  | Revision in TTC/ATC due to planned outage of 400 kV Meramundali-Bolangir line  | ER-SR/Import of SR                      |
| 8           | 14th Aug 2020    | 16th Aug 2020                  | Revision in TTC/ATC due to reverse power testing of HVDC Raigarh - Pugalur   | WR-SR/Import of SR                      |
| 9           | 15th Aug 2020    | 17th Aug 2020                  | Revision in TTC/ATC due to reverse power testing of HVDC Raigarh - Pugalur   | WR-SR/Import of SR                      |
| 10          | 22nd Aug 2020    | 24th Aug 2020 to 31st Aug 2020 | Revision in TTC/ATC due to change in HVDC BNC-Agra Power Order.  | NER-ER/ER-NR Corridor                   |



| ASSUMPTIONS IN BASECASE |                            |                |                    |                     |               |
|-------------------------|----------------------------|----------------|--------------------|---------------------|---------------|
|                         |                            |                |                    | Month : August'2020 |               |
| 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                     | 10228          | 9530               | 4580                | 4618          |
| 2                       | Haryana                    | 9146           | 9428               | 2953                | 2953          |
| 3                       | Rajasthan                  | 10205          | 11428              | 6168                | 6168          |
| 4                       | Delhi                      | 5674           | 6558               | 753                 | 753           |
| 5                       | Uttar Pradesh              | 18102          | 15529              | 9903                | 9908          |
| 6                       | Uttarakhand                | 2144           | 1981               | 1060                | 1015          |
| 7                       | Himachal Pradesh           | 1562           | 1558               | 859                 | 854           |
| 8                       | Jammu & Kashmir            | 3049           | 1686               | 1075                | 1017          |
| 9                       | Chandigarh                 | 375            | 303                | 0                   | 0             |
| 10                      | ISGS/PPs                   | 23             | 23                 | 20932               | 19626         |
|                         | Total NR                   | 60510          | 58023              | 48283               | 46912         |
| II                      | EASTERN REGION             |                |                    |                     |               |
| 1                       | Bihar                      | 5380           | 4412               | 99                  | 110           |
| 2                       | Jharkhand                  | 1637           | 1024               | 425                 | 421           |
| 3                       | Damodar Valley Corporation | 3028           | 2466               | 4980                | 4180          |
| 4                       | Orissa                     | 4823           | 3995               | 3952                | 2615          |
| 5                       | West Bengal                | 8541           | 7006               | 5659                | 4956          |
| 6                       | Sikkim                     | 114            | 43                 | 0                   | 0             |
| 7                       | Bhutan                     | 171            | 168                | 1474                | 1444          |
| 8                       | ISGS/PPs                   | -171           | -168               | 11907               | 10404         |
|                         | Total ER                   | 23523          | 18947              | 28495               | 24128         |
| III                     | WESTERN REGION             |                |                    |                     |               |
| 1                       | Maharashtra                | 16912          | 14197              | 12996               | 9886          |
| 2                       | Gujarat                    | 13683          | 8433               | 10325               | 6208          |
| 3                       | Madhya Pradesh             | 8253           | 5455               | 4058                | 2863          |
| 4                       | Chattisgarh                | 3890           | 3168               | 2239                | 2230          |
| 5                       | Daman and Diu              | 297            | 153                | 0                   | 0             |
| 6                       | Dadra and Nagar Haveli     | 781            | 550                | 0                   | 0             |
| 7                       | Goa-WR                     | 513            | 326                | 0                   | 0             |
| 8                       | ISGS/PPs                   | 4640           | 3609               | 33397               | 25451         |
|                         | Total WR                   | 48969          | 35891              | 63015               | 46638         |

| S.No. | Name of State/Area   | Load           |                    | Generation |               |
|-------|----------------------|----------------|--------------------|------------|---------------|
|       |                      | Peak Load (MW) | Off Peak Load (MW) | Peak (MW)  | Off Peak (MW) |
| IV    | SOUTHERN REGION      |                |                    |            |               |
| 1     | Andhra Pradesh       | 9316           | 6695               | 6310       | 5934          |
| 2     | Telangana            | 9937           | 9870               | 5913       | 4863          |
| 3     | Karnataka            | 8351           | 4343               | 6606       | 3257          |
| 4     | Tamil Nadu           | 14738          | 12867              | 8660       | 7460          |
| 5     | Kerala               | 3683           | 2236               | 1649       | 423           |
| 6     | Pondy                | 298            | 246                | 0          | 0             |
| 7     | Goa-SR               | 58             | 48                 | 0          | 0             |
| 8     | ISGS/IPPs            | 0              | 0                  | 14970      | 12179         |
|       | Total SR             | 46381          | 36305              | 44109      | 34117         |
| V     | NORTH-EASTERN REGION |                |                    |            |               |
| 1     | Arunachal Pradesh    | 111            | 70                 | 18         | 16            |
| 2     | Assam                | 1707           | 1346               | 295        | 245           |
| 3     | Manipur              | 183            | 82                 | 0          | 0             |
| 4     | Meghalaya            | 269            | 198                | 237        | 142           |
| 5     | Mizoram              | 99             | 66                 | 68         | 42            |
| 6     | Nagaland             | 120            | 75                 | 22         | 16            |
| 7     | Tripura              | 259            | 154                | 76         | 75            |
| 8     | ISGS/IPPs            | 159            | 81                 | 2385       | 2242          |
|       | Total NER            | 2907           | 2073               | 3101       | 2778          |
|       | Total All India      | 182131         | 151157             | 187003     | 154572        |