

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

Issue Date: 2nd July 2020

Issue Time: 1800 hrs

Revision No. 6

| 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 July 2020 to 31st July 2020 | 00-06             | 2500                            | 500                | 2000                                | 195  | 1805   |                                     |   |
|          |                                 | 06-18             |                                 |                    |                                     | 1223   | 777  |                                     |   |
|          |                                 | 18-24             |                                 |                    |                                     | 195  | 1805   |                                     |   |
| WR-NR*   | 1st July 2020                   | 00-06             | 17200                           | 500                | 16700                               | 10268  | 6432   |                                     |   |
|          |                                 |                   | 16250**                         |                    | 15750**                             | 9318**   |  |                                     |   |
|          |                                 | 06-08             | 17200                           | 500                | 16700                               | 10657  | 6043   |                                     |   |
|          |                                 |                   | 16250**                         |                    | 15750**                             | 9707**   |  |                                     |   |
|          |                                 | 08-18             | 15950                           | 500                | 15450                               | 10657  | 4793   |                                     |   |
|          |                                 |                   | 15000**                         |                    | 14500**                             | 9707**   |  |                                     |   |
| 18-24    | 15950                           | 500               | 15450                           | 10268              | 5182                                |  |  |                                     |   |
|          | 15000**                         |                   | 14500**                         | 9318**             |                                     |  |  |                                     |   |
| WR-NR*   | 2nd July 2020                   | 00-06             | 17200                           | 500                | 16700                               | 10268  | 6432   |                                     |   |
|          |                                 |                   | 16250**                         |                    | 15750**                             | 9318**   |  |                                     |   |
|          |                                 | 06-18             | 17200                           | 500                | 16700                               | 10657  | 6043   |                                     |   |
|          |                                 |                   | 16250**                         |                    | 15750**                             | 9707**   |  |                                     |   |
| 18-24    | 17200                           | 500               | 16700                           | 10268              | 6432                                |  |  |                                     |   |
|          | 16250**                         |                   | 15750**                         | 9318**             |                                     |  |  |                                     |   |
| WR-NR*   | 3rd July 2020                   | 00-06             | 17200                           | 500                | 16700                               | 10268  | 6432   |                                     |   |
|          |                                 |                   | 16250**                         |                    | 15750**                             | 9318**   |  |                                     |   |
|          |                                 | 06-08             | 17200                           | 500                | 16700                               | 10657  | 6043   |                                     |   |
|          |                                 |                   | 16250**                         |                    | 15750**                             | 9707**   |  |                                     |   |
|          |                                 | 08-18             | 14900                           | 500                | 14400                               | 10657  | 3743   |                                     |   |
|          |                                 |                   | 13950**                         |                    | 13450**                             | 9707**   |  |                                     |   |
| 18-24    | 14900                           | 500               | 14400                           | 10268              | 4132                                |  |  |                                     |   |
|          | 13950**                         |                   | 13450**                         | 9318**             |                                     |  |  |                                     |   |
| WR-NR*   | 4th July 2020                   | 00-06             | 17200                           | 500                | 16700                               | 10268  | 6432   |                                     | Revision in TTC/ATC due to simultaneous outage of 765 kV Aligarh – Gr. Noida line and 765 kV Gaya- Balia line |
|          |                                 |                   | 16250**                         |                    | 15750**                             | 9318**   |  |                                     |   |
|          |                                 | 06-08             | 17200                           | 500                | 16700                               | 10657  | 6043   |                                     |   |
|          |                                 |                   | 16250**                         |                    | 15750**                             | 9707**   |  |                                     |   |
|          |                                 | 08-18             | 15000                           | 500                | 14500                               | 10657  | 3843   | -2200                               |   |
|          |                                 |                   | 14050**                         |                    | 13550**                             | 9707**   |  |                                     |   |
| 18-24    | 15000                           | 500               | 14500                           | 10268              | 4232                                | -2200  |  |                                     |   |
|          | 14050**                         |                   | 13550**                         | 9318**             |                                     |  |  |                                     |   |
| WR-NR*   | 5th July 2020 to 31st July 2020 | 00-06             | 17200                           | 500                | 16700                               | 10268  | 6432   |                                     |   |
|          |                                 |                   | 16250**                         |                    | 15750**                             | 9318**   |  |                                     |   |
|          |                                 | 06-18             | 17200                           | 500                | 16700                               | 10657  | 6043   |                                     |   |
|          |                                 |                   | 16250**                         |                    | 15750**                             | 9707**   |  |                                     |   |
| 18-24    | 17200                           | 500               | 16700                           | 10268              | 6432                                |  |  |                                     |   |
|          | 16250**                         |                   | 15750**                         | 9318**             |                                     |  |  |                                     |   |

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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  |  |
|--------------------|---------------------------------|---------------------------------|---------------------------------|------------------------------|-------------------------------------|--|--|-------------------------------------|---|--|
| NR-ER*             | 1st July 2020 to 31st July 2020 | 00-06                           | 2000                            | 200                          | 1800                                | 193  | 1607   |                                     |   |  |
|                    |                                 | 06-18                           | 2000                            |                              | 1800                                | 303  | 1497   |                                     |   |  |
|                    |                                 | 18-24                           | 2000                            |                              | 1800                                | 193  | 1607   |                                     |   |  |
| ER-NR*             | 1st July 2020                   | 00-08                           | 5250                            | 300                          | 4950                                | 4066   | 884  |                                     |   |  |
|                    |                                 | 08-24                           | 4800                            | 300                          | 4500                                | 4066   | 434  |                                     |   |  |
| ER-NR*             | 2nd July 2020                   | 00-24                           | 5250                            | 300                          | 4950                                | 4066   | 884  |                                     |   |  |
| ER-NR*             | 3rd July 2020                   | 00-08                           | 5250                            | 300                          | 4950                                | 4066   | 884  |                                     |   |  |
|                    |                                 | 08-24                           | 4250                            | 300                          | 3950                                | 4066   | 0  |                                     |   |  |
| ER-NR*             | 4th July 2020                   | 00-08                           | 5250                            | 300                          | 4950                                | 4066   | 884  |                                     | Revision in TTC/ATC due to simultaneous outage of 765 kV Aligarh – Gr. Noida line and 765 kV Gaya- Balia line |  |
|                    |                                 | 08-24                           | 4250                            | 300                          | 3950                                | 4066   | 0  | -1000                               |   |  |
| ER-NR*             | 5th July 2020 to 31st July 2020 | 00-24                           | 5250                            | 300                          | 4950                                | 4066   | 884  |                                     |   |  |
|                    |                                 |                                 |                                 |                              |                                     |  |  |                                     |   |  |
| W3-ER              | 1st July 2020 to 31st July 2020 | 00-24                           | No limit is being specified.    |                              |                                     |  |  |                                     |   |  |
| ER-W3              | 1st July 2020 to 31st July 2020 | 00-24                           | No limit is being specified.    |                              |                                     |  |  |                                     |   |  |
|                    |                                 |                                 |                                 |                              |                                     |  |  |                                     |   |  |
| WR-SR <sup>^</sup> | 1st July 2020                   | 00-0930                         | 6950                            | 500                          | 6450                                | 4035   | 2415   |                                     |   |  |
|                    |                                 | 0930-22                         | 6350                            |                              | 5850                                |  | 1815   |                                     |   |  |
|                    |                                 | 22-24                           | 6350                            |                              | 5850                                |  | 1815   |                                     |   |  |
|                    | 2nd July 2020                   | 00-05                           | 6950                            | 500                          | 6450                                | 4035   | 2415   |                                     |   |  |
|                    |                                 | 05-09                           | 6950                            |                              | 6450                                |  | 2415   |                                     |   |  |
|                    |                                 | 09-22                           | 6350                            |                              | 5850                                |  | 1815   |                                     |   |  |
|                    |                                 | 22-24                           | 6350                            |                              | 5850                                |  | 1815   |                                     |   |  |
|                    | 3rd July 2020 to 31st July 2020 | 00-05                           | 6950                            | 500                          | 6450                                | 4035   | 2415   |                                     |   |  |
|                    |                                 | 05-22                           | 6950                            |                              | 6450                                |  | 2415   |                                     |   |  |
|                    |                                 | 22-24                           | 6950                            |                              | 6450                                |  | 2415   |                                     |   |  |
|                    | SR-WR *                         | 1st July 2020 to 31st July 2020 | 00-24                           | 4600                         | 400                                 | 4200   | 550  | 3650                                |   |  |
|                    |                                 |                                 |                                 |                              |                                     |  |  |                                     |   |  |
| ER-SR <sup>^</sup> | 1st July 2020                   | 00-06                           | 5650                            | 250                          | 5400                                | 2663   | 2737   |                                     |   |  |
|                    |                                 | 06-0930                         | 5650                            |                              |                                     | 2748   | 2652   |                                     |   |  |
|                    |                                 | 0930-18                         | 5600                            |                              |                                     | 2748   | 2652   |                                     |   |  |
|                    |                                 | 18-24                           | 5600                            |                              |                                     | 2663   | 2737   |                                     |   |  |
|                    | 2nd July 2020                   | 00-06                           | 5650                            | 250                          | 5400                                | 2663   | 2737   |                                     |   |  |
|                    |                                 | 06-09                           | 5650                            |                              | 5400                                | 2748   | 2652   |                                     |   |  |
|                    |                                 | 09-18                           | 5600                            |                              | 5350                                | 2748   | 2602   |                                     |   |  |
|                    |                                 | 18-24                           | 5600                            |                              | 5350                                | 2663   | 2687   |                                     |   |  |
|                    | 3rd July 2020 to 31st July 2020 | 00-06                           | 5950                            | 250                          | 5700                                | 2663   | 3037   |                                     |   |  |
|                    |                                 | 06-18                           |                                 |                              |                                     | 2748   | 2952   |                                     |   |  |
|                    |                                 | 18-24                           |                                 |                              |                                     | 2663   | 3037   |                                     |   |  |
|                    | SR-ER *                         | 1st July 2020 to 31st July 2020 | 00-24                           | No limit is being Specified. |                                     |  |  |                                     |   |  |

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|----------|---------------------------------|-------------------|---------------------------------|--------------------|-------------------------------------|--|--|-------------------------------------|----------|
| ER-NER*  | 1st July 2020                   | 00-02             | 1080                            | 45                 | 1035                                | 289  | 746  |                                     |          |
|          |                                 | 02-07             | 1080                            |                    | 1035                                | 289  | 746  |                                     |          |
|          |                                 | 07-12             | 1080                            |                    | 1035                                | 334  | 701  |                                     |          |
|          |                                 | 12-17             | 1080                            |                    | 1035                                | 334  | 701  |                                     |          |
|          |                                 | 17-18             | 1080                            |                    | 1035                                | 334  | 701  |                                     |          |
|          |                                 | 18-22             | 950                             |                    | 905                                 | 289  | 616  |                                     |          |
|          |                                 | 22-23             | 1080                            |                    | 1035                                | 289  | 746  |                                     |          |
|          |                                 | 23-24             | 1080                            |                    | 1035                                | 289  | 746  |                                     |          |
| ER-NER*  | 2nd July 2020                   | 00-07             | 1080                            | 45                 | 1035                                | 289  | 746  |                                     |          |
|          |                                 | 07-08             | 1080                            |                    | 1035                                | 334  | 701  |                                     |          |
|          |                                 | 08-18             | 780                             |                    | 735                                 | 334  | 401  |                                     |          |
|          |                                 | 18-22             | 700                             |                    | 655                                 | 289  | 366  |                                     |          |
|          |                                 | 22-24             | 780                             |                    | 735                                 | 289  | 446  |                                     |          |
| ER-NER*  | 3rd July 2020                   | 00-07             | 1080                            | 45                 | 1035                                | 289  | 746  |                                     |          |
|          |                                 | 07-08             | 1080                            |                    | 1035                                | 334  | 701  |                                     |          |
|          |                                 | 08-18             | 780                             |                    | 735                                 | 334  | 401  |                                     |          |
|          |                                 | 18-22             | 700                             |                    | 655                                 | 289  | 366  |                                     |          |
|          |                                 | 22-24             | 780                             |                    | 735                                 | 289  | 446  |                                     |          |
| ER-NER*  | 4th July 2020 to 31st July 2020 | 00-07             | 1080                            | 45                 | 1035                                | 289  | 746  |                                     |          |
|          |                                 | 07-18             | 1080                            |                    | 1035                                | 334  | 701  |                                     |          |
|          |                                 | 18-22             | 950                             |                    | 905                                 | 289  | 616  |                                     |          |
|          |                                 | 22-24             | 1080                            |                    | 1035                                | 289  | 746  |                                     |          |
| NER-ER*  | 1st July 2020                   | 00-08             | 2150                            | 45                 | 2105                                | 21   | 2084   |                                     |          |
|          |                                 | 08-18             | 2150                            |                    | 2105                                | 21   | 2084   |                                     |          |
|          |                                 | 18-22             | 2300                            |                    | 2255                                | 21   | 2234   |                                     |          |
|          |                                 | 22-24             | 2150                            |                    | 2105                                | 21   | 2084   |                                     |          |
|          | 2nd July 2020                   | 00-08             | 2150                            | 45                 | 2105                                | 21   | 2084   |                                     |          |
|          |                                 | 08-18             | 1700                            |                    | 1655                                | 21   | 1634   |                                     |          |
|          |                                 | 18-22             | 1850                            |                    | 1805                                | 21   | 1784   |                                     |          |
|          |                                 | 22-24             | 1700                            |                    | 1655                                | 21   | 1634   |                                     |          |
|          | 3rd July 2020                   | 00-08             | 2150                            | 45                 | 2105                                | 21   | 2084   |                                     |          |
|          |                                 | 08-18             | 1700                            |                    | 1655                                | 21   | 1634   |                                     |          |
|          |                                 | 18-22             | 1850                            |                    | 1805                                | 21   | 1784   |                                     |          |
|          |                                 | 22-24             | 1700                            |                    | 1655                                | 21   | 1634   |                                     |          |
|          | 4th July 2020 to 31st July 2020 | 00-08             | 2150                            | 45                 | 2105                                | 21   | 2084   |                                     |          |
| 08-18    |                                 | 2150              | 2105                            |                    | 21                                  | 2084   |  |                                     |          |
| 18-22    |                                 | 2300              | 2255                            |                    | 21                                  | 2234   |  |                                     |          |
| 22-24    |                                 | 2150              | 2105                            |                    | 21                                  | 2084   |  |                                     |          |

|                          |                                 |       |   |
|--------------------------|---------------------------------|-------|---|
| <b>W3 zone Injection</b> | 1st July 2020 to 31st July 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**

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

\* 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

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 Vidyut 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 implemetation.

^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

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

**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 July 2020 | 00-06             | 22450                           | 800                | 21650                               | 14334  | 7316   |                                     |          |         |      |  |  |
|          |               |                   | 21500**                         |                    | 20700**                             | 13384**  |  |                                     |          |         |      |  |  |
|          |               | 06-08             | 22450                           |                    | 21650                               | 14723  | 6927   |                                     |          |         |      |  |  |
|          |               |                   | 21500**                         |                    | 20700**                             | 13773**  |  |                                     |          |         |      |  |  |
|          |               | 08-09             | 20850                           |                    | 20050                               | 14723  | 5327   |                                     |          |         |      |  |  |
|          |               |                   | 19900**                         |                    | 19100**                             | 13773**  |  |                                     |          |         |      |  |  |
|          |               | 09-17             | 20850                           |                    | 20050                               | 14723  | 5327   |                                     |          |         |      |  |  |
|          |               |                   | 19900**                         |                    | 19100**                             | 13773**  |  |                                     |          |         |      |  |  |
|          |               | 17-18             | 20850                           |                    | 20050                               | 14723  | 5327   |                                     |          |         |      |  |  |
|          |               |                   | 19900**                         |                    | 19100**                             | 13773**  |  |                                     |          |         |      |  |  |
|          |               | 18-24             | 20850                           |                    | 20050                               | 14334  | 5716   |                                     |          |         |      |  |  |
|          |               |                   | 19900**                         |                    | 19100**                             | 13384**  |  |                                     |          |         |      |  |  |
| NR*      | 2nd July 2020 | 00-06             | 22450                           | 800                | 21650                               | 14334  | 7316   |                                     |          |         |      |  |  |
|          |               |                   | 21500**                         |                    | 20700**                             | 13384**  |  |                                     |          |         |      |  |  |
|          |               | 06-09             | 22450                           |                    | 21650                               | 14723  | 6927   |                                     |          |         |      |  |  |
|          |               |                   | 21500**                         |                    | 20700**                             | 13773**  |  |                                     |          |         |      |  |  |
|          |               | 09-17             | 22450                           |                    | 21650                               | 14723  | 6927   |                                     |          |         |      |  |  |
|          |               |                   | 21500**                         |                    | 20700**                             | 13773**  |  |                                     |          |         |      |  |  |
|          |               | 17-18             | 22450                           |                    | 21650                               | 14723  | 6927   |                                     |          |         |      |  |  |
|          |               |                   | 21500**                         |                    | 20700**                             | 13773**  |  |                                     |          |         |      |  |  |
|          |               | 18-24             | 22450                           |                    | 21650                               | 14334  | 7316   |                                     |          |         |      |  |  |
|          |               |                   | 21500**                         |                    | 20700**                             | 13384**  |  |                                     |          |         |      |  |  |
|          |               | NR*               | 3rd July 2020                   |                    | 00-06                               | 22450  | 800  | 21650                               |          | 14334   | 7316 |  |  |
|          |               |                   |                                 |                    |                                     | 21500**  |  | 20700**                             |          | 13384** |      |  |  |
| 06-08    | 22450         |                   |                                 | 21650              | 14723                               | 6927   |  |                                     |          |         |      |  |  |
|          | 21500**       |                   |                                 | 20700**            | 13773**                             |  |  |                                     |          |         |      |  |  |
| 08-09    | 19150         |                   |                                 | 18350              | 14723                               | 3627   |  |                                     |          |         |      |  |  |
|          | 18200**       |                   |                                 | 17400**            | 13773**                             |  |  |                                     |          |         |      |  |  |
| 09-17    | 19150         |                   |                                 | 18350              | 14723                               | 3627   |  |                                     |          |         |      |  |  |
|          | 18200**       |                   |                                 | 17400**            | 13773**                             |  |  |                                     |          |         |      |  |  |
| 17-18    | 19150         |                   |                                 | 18350              | 14723                               | 3627   |  |                                     |          |         |      |  |  |
|          | 18200**       |                   |                                 | 17400**            | 13773**                             |  |  |                                     |          |         |      |  |  |
| 18-24    | 19150         |                   |                                 | 18350              | 14334                               | 4016   |  |                                     |          |         |      |  |  |
|          | 18200**       |                   |                                 | 17400**            | 13384**                             |  |  |                                     |          |         |      |  |  |



|  |   |         |       |     |       |      |      |  |
|--|---|---------|-------|-----|-------|------|------|--|
| SR**   | 1st July 2020   | 00-06   | 12600 | 750 | 11850 | 6698 | 5152 |  |
|  |   | 06-0930 | 12600 |     | 11850 | 6783 | 5067 |  |
|  |   | 0930-18 | 11950 |     | 11200 | 6783 | 4417 |  |
|  |   | 18-24   | 11950 |     | 11200 | 6698 | 4502 |  |
| SR**   | 2nd July 2020   | 00-06   | 12600 | 750 | 11850 | 6698 | 5152 |  |
|  |   | 06-09   | 12600 |     | 12600 | 6783 | 5817 |  |
|  |   | 09-18   | 11950 |     | 11200 | 6783 | 4417 |  |
|  |   | 18-24   | 11950 |     | 11200 | 6698 | 4502 |  |
|  | 3rd July 2020 to<br>31st July 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 |         |       |     |       |      |      |  |
| **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:<br>Margin in Simultaneous import of NR = A<br>WR-NR ATC =B<br>ER-NR ATC = C<br><br>Margin for WR-NR applicants = A * B/(B+C)<br>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.  |   |         |       |     |       |      |      |  |

**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 July 2020 to 31st July 2020 | 00-06             | 4500                            | 700                | 3800                                | 388  | 3412   |                                     |          |
|          |                                 | 06-18             |                                 |                    | 3800                                | 1526   | 2274   |                                     |          |
|          |                                 | 18-24             | 4500                            |                    | 3800                                | 388  | 3412   |                                     |          |
| NER*     | 1st July 2020                   | 00-08             | 2150                            | 45                 | 2105                                | 21   | 2084   |                                     |          |
|          |                                 | 08-18             | 2150                            |                    | 2105                                | 21   | 2084   |                                     |          |
|          |                                 | 18-22             | 2300                            |                    | 2255                                | 21   | 2234   |                                     |          |
|          |                                 | 22-24             | 2150                            |                    | 2105                                | 21   | 2084   |                                     |          |
| NER*     | 2nd July 2020                   | 00-08             | 2150                            | 45                 | 2105                                | 21   | 2084   |                                     |          |
|          |                                 | 08-18             | 1700                            |                    | 1655                                | 21   | 1634   |                                     |          |
|          |                                 | 18-22             | 1850                            |                    | 1805                                | 21   | 1784   |                                     |          |
|          |                                 | 22-24             | 1700                            |                    | 1655                                | 21   | 1634   |                                     |          |
| NER*     | 3rd July 2020                   | 00-08             | 2150                            | 45                 | 2105                                | 21   | 2084   |                                     |          |
|          |                                 | 08-18             | 1700                            |                    | 1655                                | 21   | 1634   |                                     |          |
|          |                                 | 18-22             | 1850                            |                    | 1805                                | 21   | 1784   |                                     |          |
|          |                                 | 22-24             | 1700                            |                    | 1655                                | 21   | 1634   |                                     |          |
| NER*     | 4th July 2020 to 31st July 2020 | 00-08             | 2150                            | 45                 | 2105                                | 21   | 2084   |                                     |          |
|          |                                 | 08-18             | 2150                            |                    | 2105                                | 21   | 2084   |                                     |          |
|          |                                 | 18-22             | 2300                            |                    | 2255                                | 21   | 2234   |                                     |          |
|          |                                 | 22-24             | 2150                            |                    | 2105                                | 21   | 2084   |                                     |          |
| WR*      |                                 |                   |                                 |                    |                                     |  |  |                                     |          |
| SR*^     | 1st July 2020 to 31st July 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.



| Limiting Constraints (Corridor wise) |  |  | Applicable Revisions |                |
|--------------------------------------|--|--|----------------------|----------------|
| Corridor                             | Constraint   |  |                      |                |
| WR-NR                                | n-1 contingency of 765 kV Aligarh - Jhatikara Line will lead to overloading of 765 kV Aligarh - Gr. Noida Line   |  | Rev- 0               |                |
|                                      | N-1 contingency of 1000 MVA, 765/400 kV ICT at Orai will overload the other ICT  |  | Rev -1 to 6          |                |
| NR-ER                                | (n-1) contingency of 400 kV Saranath-Pusauli   |  | Rev- 0 to 6          |                |
| ER-NR                                | 1. N-1 contingency of 400 kV Mejia-Maithon A line will overload the other ckt.<br>2. N-1 contingency of 400 kV Kahalgaon-Banka line will overload the other ckt.<br>3. N-1 contingency of 400kV MPL- Maithon line will overload the other ckt. |  | Rev- 0 to 6          |                |
| WR-SR<br>and ER-SR                   | n-1 contingency of one ckt of 765 kV Wardha - Nizamabad D/C will overload of the other ckt   |  | Rev- 0 to 6          |                |
|                                      | 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.  |  |                      |                |
| WR-SR<br>and ER-SR                   | n-1 contingency of one 765/400 kV Nizamabad ICT will overload of ICT-I at Maheshwaram  |  | Rev-03               |                |
| SR-WR                                | a) N-1 contingency of one ckt of 400 kV Kolhapur-PG - Kolhapur-MS D/C will overload of the other ckt   |  | Rev- 0 to 6          |                |
|                                      | b) N-1 contingency of 500 MVA ICT at 400 kV Kolhapur-MS will overload the other 2x315 MVA ICTs   |  |                      |                |
| ER-NER                               | a) N-1 contingency of 400 kV Bongaigaon - Azara line   |  | Rev- 0 to 3          |                |
|                                      | b) High Loading of 220 kV Samaguri-Sonabil S/C (200 MW)  |  |                      |                |
| ER-NER                               | a) N-1 contingency of 400 kV Bongaigaon - Azara line   |  | Rev- 4 to 6          |                |
|                                      | b) High Loading of 220 kV BTPS - Salakati DC (200 MW)  |  |                      |                |
| NER-ER                               | a) N-1 contingency of 400 kV Silchar- Azara line   |  | Rev- 0 to 3          |                |
|                                      | b) High Loading of 400 kV Silchar-Killing Line   |  |                      |                |
| NER-ER                               | a) N-1 contingency of 400 kV Silchar- Azara line   |  | Rev- 4 to 6          |                |
|                                      | b) High Loading of 220 kV Killing- Misa D/C TL   |  |                      |                |
| W3 zone<br>Injection                 | ---  |  | Rev- 0 to 6          |                |
| Limiting Constraints (Simultaneous)  |  |  | Applicable Revisions |                |
| NR                                   | Import   | 1. N-1 contingency of 400 kV Mejia-Maithon A line will overload the other ckt.<br>2. N-1 contingency of 400 kV Kahalgaon-Banka line will overload the other ckt.<br>3. N-1 contingency of 400kV MPL- Maithon line will overload the other ckt. | Rev- 0 to 6          |                |
|                                      |  | n-1 contingency of 765 kV Aligarh - Jhatikara Line will lead to overloading of 765 kV Aligarh - Gr. Noida Line   |                      | Rev- 0         |
|                                      |  | N-1 contingency of 1000 MVA, 765/400 kV ICT at Orai will overload the other ICT  |                      | Rev- 1 to 6    |
|                                      | 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 6    |
|                                      | Import   | 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 3    |
| NER                                  | Import   | a) N-1 contingency of 400 kV Bongaigaon - Azara line<br>b) High Loading of 220 kV Samaguri-Sonabil S/C (200 MW)  |                      | Rev- 4 to 6    |
|                                      | Export   | a) N-1 contingency of 400 kV Silchar- Azara line<br>b) High Loading of 400 kV Silchar-Killing Line   |                      | Rev- 0 to 3    |
|                                      | Export   | a) N-1 contingency of 400 kV Silchar- Azara line<br>b) High Loading of 220 kV Killing- Misa D/C TL   |                      | Rev- 4 to 6    |
| SR                                   | Import   | n-1 contingency of one ckt of 765 kV Wardha - Nizamabad D/C will overload of the other ckt   |                      | Rev- 0 to 6    |
|                                      |  | 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   |                      |                |
|                                      | Import   | n-1 contingency of one 765/400 kV Nizamabad ICT will overload of ICT at Maheshwaram  |                      | Rev - 03 to 04 |
| Export                               | N-1 contingency of one ckt of 400 kV Kolhapur-PG - Kolhapur-MS D/C will overload of the other ckt  |  | Rev- 0 to 6          |                |
|                                      | 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 July 2020**

| Revision No   | Date of Revision   | Period of Revision       | Reason for Revision/Comment  | Corridor Affected  |
|---------------|--|--------------------------|--|--|
| 1             | 29th April 2020  | Whole Month              | Revision in TTC/ATC after after commissioning of 400 kV Aligarh (PG) - Prithala - Kadarapur - Sohna Road link and 765 kV Bikaner - Moga D/C        | WR-NR/Import of NR   |
| 2             | 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   |
| 3             | 29th 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                              |
|               |  | 30th June 2020           | Revision in TTC/ATC due to forced outage of 400/220 kV ICT-II at Jeypore   | ER-SR/Import of SR   |
|               |  | Whole Month              | Revision in TTC/ATC due to the following:-<br>a) Change in load-generation balance of NER<br>b) Commissioning of one unit (1x150 MW) of Kameng HEP | NER-ER/ER-NR/Import & Export of NER                                  |
|               |  |                          | 1st July 2020  | Revision in TTC/ATC due to outage of 765/400 kV ICT-I at Maheshwaram |
| 1st July 2020 | Revision in TTC/ATC due to outage of 765 kV Gwalior - Agra -II | WR-NR/ER-NR/Import of NR |  |  |
| 4             | 30th June 2020   | 2nd July 2020            | Revised TTC due to day time shutdown of 400 kV Bongaigaon-Byrnihat S/C   | NER-ER/ER-NR/Import & Export of NER                                  |
|               |  |                          | Revision in TTC/ATC due to outage of 765/400 kV ICT-I at Maheshwaram   | WR-SR/ER-SR/Import of SR   |
| 5             | 1st July 2020  | 3rd July 2020            | Revision in TTC/ATC due to simultaneous outage of 765 kV Aligarh – Gr. Noida line, 765 kV Gaya- Balia line and 765 kV Jabalpur – Bhopal line.      | WR-NR/ER-NR/Import of NR   |
|               |  |                          | Revised TTC due to day time shutdown of 400 kV Bongaigaon-Byrnihat S/C   | NER-ER/ER-NR/Import & Export of NER                                  |
| 5             | 2nd July 2020  | 4th July 2020            | Revision in TTC/ATC due to simultaneous outage of 765 kV Aligarh – Gr. Noida line and 765 kV Gaya- Balia line                                      | WR-NR/ER-NR/Import of NR   |

| ASSUMPTIONS IN BASECASE |                            |                |                    |                   |               |
|-------------------------|----------------------------|----------------|--------------------|-------------------|---------------|
|                         |                            |                |                    | Month : July'2020 |               |
| S.No.                   | Name of State/Area         | Load           |                    | Generation        |               |
|                         |                            | Peak Load (MW) | Off Peak Load (MW) | Peak (MW)         | Off Peak (MW) |
| I                       | <b>NORTHERN REGION</b>     |                |                    |                   |               |
| 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         |
|                         | <b>Total NR</b>            | <b>60510</b>   | <b>58023</b>       | <b>48283</b>      | <b>46912</b>  |
| II                      | <b>EASTERN REGION</b>      |                |                    |                   |               |
| 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         |
|                         | <b>Total ER</b>            | <b>23523</b>   | <b>18947</b>       | <b>28495</b>      | <b>24128</b>  |
| III                     | <b>WESTERN REGION</b>      |                |                    |                   |               |
| 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         |
|                         | <b>Total WR</b>            | <b>48969</b>   | <b>35891</b>       | <b>63015</b>      | <b>46638</b>  |

| 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        |